

CD RECEIVER

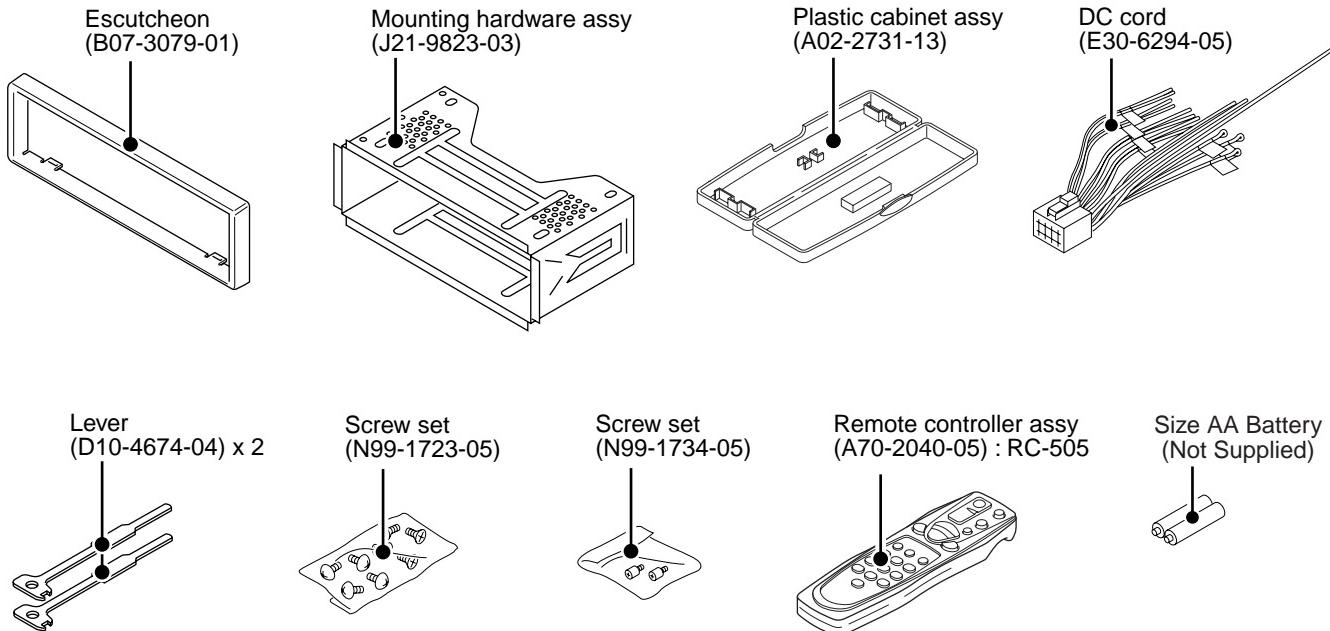
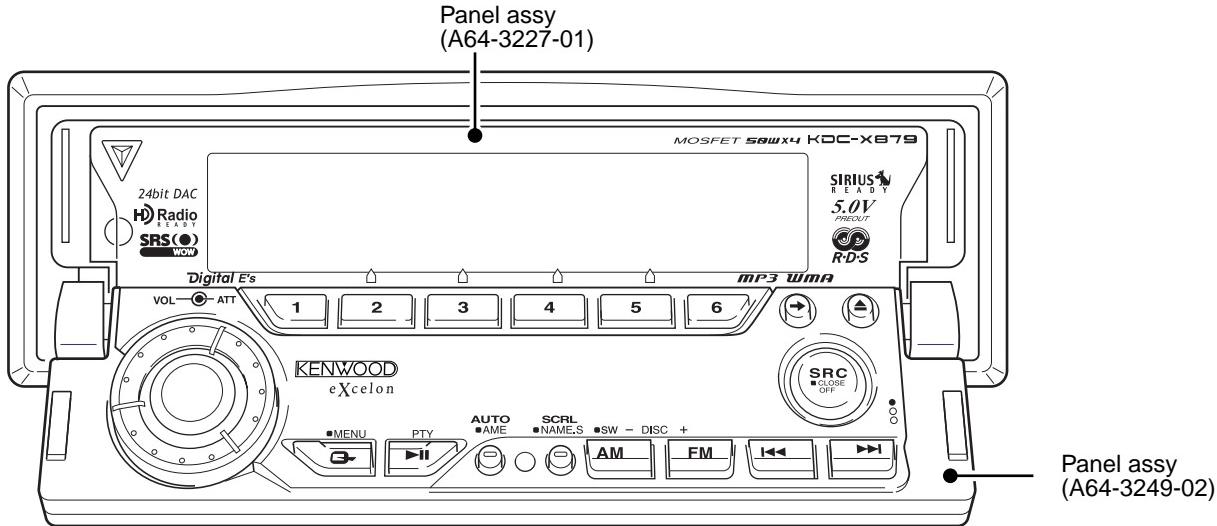
KDC-X879

SERVICE MANUAL

KENWOOD

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B53-0128-00 (N) 764

CD mechanism extension cord (24PIN) : W05-0935-00



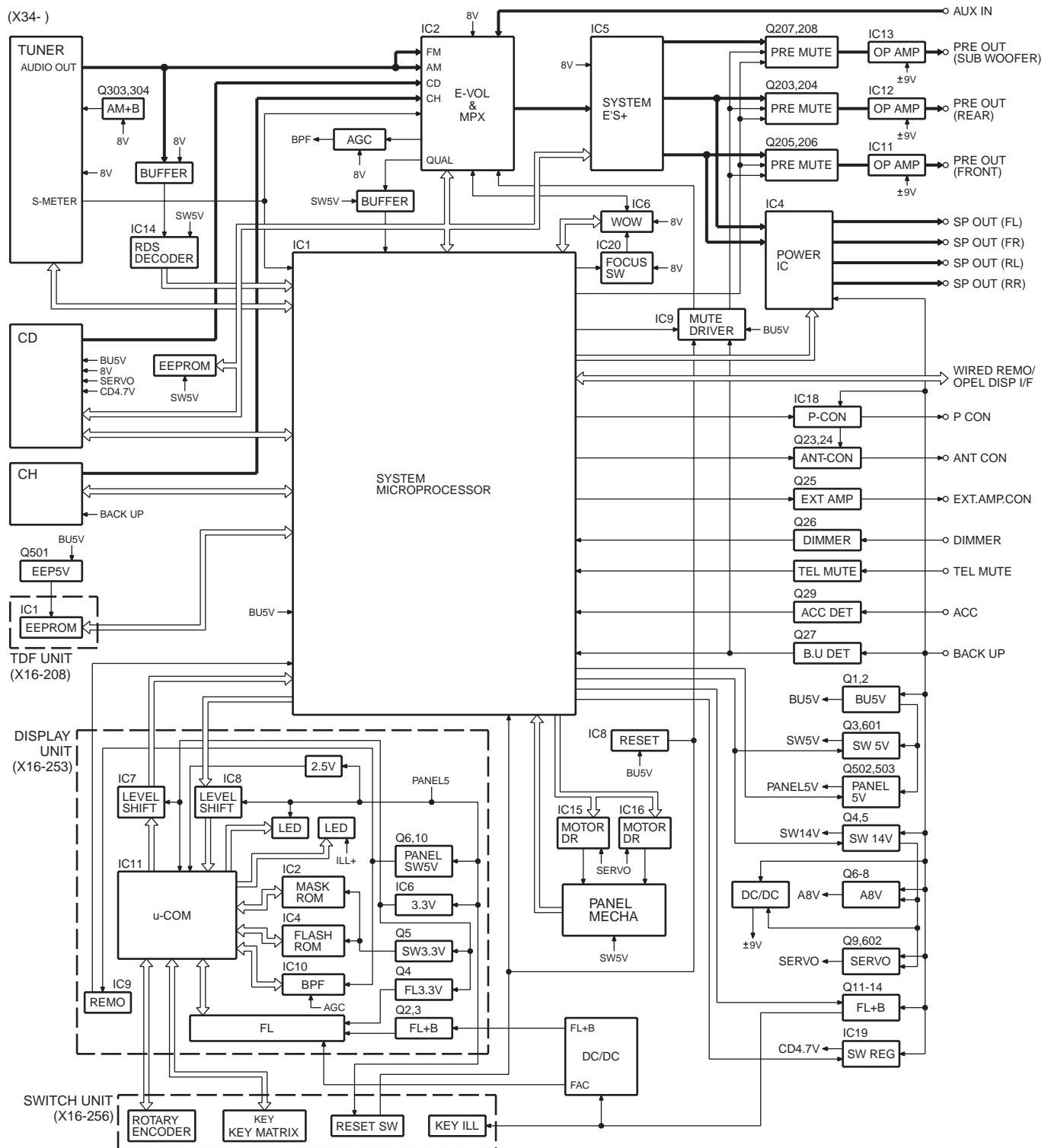
TDF PANEL INFORMATION

MODEL	PARTS NO.	PANEL NAME
KDC-X879	Y33-1790-60	TDF-M9000

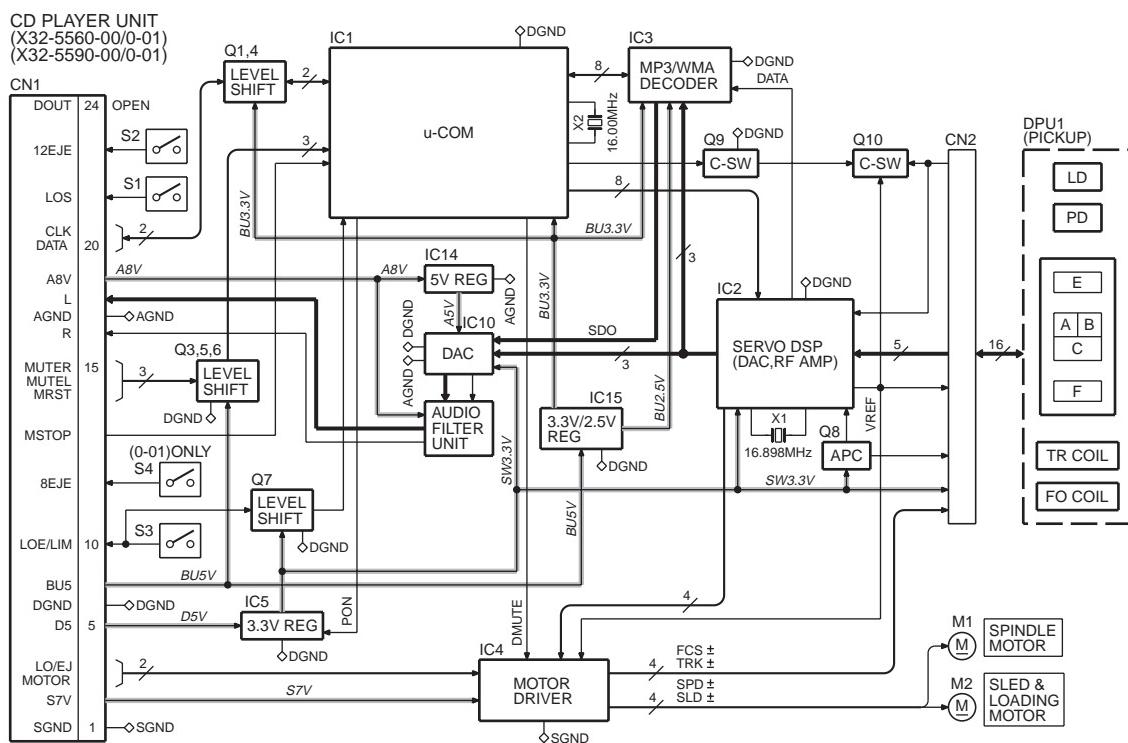


KDC-X879

BLOCK DIAGRAM



BLOCK DIAGRAM



COMPONENTS DESCRIPTION

● SUB CIRCUIT UNIT (X16-2080-10)

Ref No.	Application / Functions	Operation / Condition / Compatibility
IC1	E2PROM	E2PROM for security

● DISPLAY UNIT (X16-2530-11)

Ref No.	Application / Functions	Operation / Condition / Compatibility
IC1	Panel microprocessor	Panel control microprocessor
IC2	ROM IC	Graphic ROM
IC4	AVR	For 3.3V power supply
IC5	AVR	For 2.5V power supply
IC6	Buffer IC	Level shift buffer IC (5V→3.3V)
IC7	Buffer IC	Level shift buffer IC (3.3V→5V)
IC8	Remote control IC	For Remote control sensor
IC9	Logic IC	Control for FL contrast
IC10	Analog IC	Spectrum analyzer IC

COMPONENTS DESCRIPTION

Ref No.	Application / Functions	Operation / Condition / Compatibility
Q1	3.3V Regulator	While PAN5V is applied when 3.3V regulator output is +3.3V
Q2	2.5V Regulator	While PAN5V is applied when 2.5V regulator output is +2.5V
Q3,4	FL +B SW	FL +B (VDD1) is turned on when Q3 base level goes H
Q5	3.3V SW	SW3.3V is turned on when Q5 base level goes L
Q6,200	FL 3.3V SW	FL +3.3V (VDD1) is turned on when Q200 base level goes H
Q7,8	Remote control ON SW	The power supply of IC8, 10 is turned on when Q10 base level goes H
Q9	FL BLK SW	VFD is turned on when Q9 base level goes H
Q11	Red LED SW	Red LED is turned on when Q11 base level goes H

● SWITCH UNIT (X16-2560-10)

Ref No.	Application / Functions	Operation / Condition / Compatibility
Q1	DSI LED SW	DSI LED blinks when Q1 base level goes H/L
Q2	KEY Illumination SW (Green)	KEY Illumination SW "ON" when the Q2 base level goes H
Q3	KEY Illumination SW (Red)	KEY Illumination SW "ON" when the Q3 base level goes H
Q4	KEY Illumination SW (Blue)	KEY Illumination SW "ON" when the Q4 base level goes H

● CD PLAYER UNIT (X32-5590-00)

Ref No.	Application / Functions	Operation / Condition / Compatibility
IC1	Mechanism control microprocessor	-
IC2	DSP	CD signal processor, RF amp, Servo control
IC3	Decoder IC	MP3/WMA decoder
IC4	BTL driver	Focus, Tracking coil, Feed and Spindle motor driver IC
IC5	AVR	SW3.3V AVR
IC10	Audio DAC	-
IC13	LPF	Audio LPF
IC14	AVR	A 5.0V AVR
IC15	AVR	BU3.3V & BU2.5V AVR
Q1,4	Level shift FET	Level shift (3.3V - 5.0V)
Q3,5	Level shift TR	Level shift (3.3V - 5.0V)
Q6	Level shift TR	Level shift (3.3V - 5.0V)
Q7	Level shift TR	Level shift (3.3V - 5.0V)
Q8,11,12	APC	Auto power control & A 5V constant current circuit
Q9,10	Switching TR	Sub beam delay control switch

● ELECTRIC UNIT (X34-3030-11)

Ref No.	Application / Functions	Operation / Condition / Compatibility
IC1	System control IC	System control microprocessor
IC2	E-VOL & tuner IC	E-VOL, FM/AM tuner & stereo decoder
IC3	Power supply IC	For A8V AVR
IC4	Audio power IC	Audio power amplifier

COMPONENTS DESCRIPTION

Ref No.	Application / Functions	Operation / Condition / Compatibility
IC5	System IC	For System E's control
IC6	Audio control IC	For WOW/FOCUS control
IC7	Power supply IC	-9V AVR (For 4.5V Pre-out)
IC8	Reset IC	When BU5V line voltage is less than 3.5V, this IC output line is "L"
IC9	Muting logic IC	Control for MUTE, P-ANT & RESET muting
IC10	Buffer IC	For spectrum analyzer
IC11~13	OP AMP	For 4.5V Pre-out
IC14	RDS decoder	Decode for RDS signal
IC15,16	Motor driver	Control for Panel mechanism motor
IC18	P-CON IC	Power control IC
IC19	Power supply IC	Switching regulator IC for CD4.7V
IC20	Analog SW	Control for WOW/FOCUS IC (IC4)
Q1,2	BU 5V AVR	While BU is applied when BU5V regulator output is +5V
Q3,601	SW5V AVR	When Q601 base level goes H, SW5V regulator output is +5V
Q4,5	SW14V AVR	When Q5 base level goes H, SW14V regulator output is +14V
Q6~8	Audio 8V AVR	When Q6 base level goes H, A8V regulator output is +8.3V
Q9,602	Servo +B AVR	When Q602 base level goes H, S+B regulator output is +7.5V
Q11~14	Illumination & DC/DC +B AVR	When Q11 base level goes H, AVR output is +9.2V
Q15,16	Audio 10.5V AVR	When Q16 base level goes H, AVR output is +10.5V
Q17~19	Pre Amp & -9V AVR	Q18,19 work as differential amplifier, Q17 work as driver and -9.1V is supplied to OP AMP for Pre-out
Q20~22	Pre Amp & +9V AVR	Q20,22 work as differential amplifier, Q21 work as driver and +9.4V is supplied to OP AMP for Pre-out
Q23,24	P-ANT SW	When Q23 base level goes H, P-ANT SW output is +14V
Q25	Buffer	EX amp control buffer
Q26	Small lamp det. SW	When Q26 base level goes H, Q26 turned ON
Q27	BU detector	When Q27 base level goes H, Q27 turned ON
Q29	ACC detector	When Q29 base level goes H, Q29 turned ON
Q30,31	Muting driver	When base level goes L, muting driver is turned ON
Q201	Buffer	Noise detect buffer amp
Q202	E-VOL muting SW	When Q202 base level goes H, muting SW is turned ON
Q203~208	Pre-out muting SW	When base level goes H, Pre-output is muted
Q210	AGC	For AGC for spectrum analyzer
Q303,304	AM +B SW	When Q303 base level goes H, AM +B is out to tuner unit
Q305	Buffer	Composite signal buffer for RDS
Q501	E2P 5V SW	When Q501 base level goes L, E2P 5V is out for E2PROM
Q502,503	Panel 5V SW	When Q503 base level goes H, Panel 5V is out
Q603	SW	When Q603 base level goes H, Q603 is turned ON

MICROCOMPUTER'S TERMINAL DESCRIPTION

● SYSTEM MICROPROCESSOR : UPD703030GC041 (X34-303 : IC1)

Pin No.	Pin Name	I/O	Description / Processing Operation	Fig.
1	PLL DATA	I/O	Data input/output terminal for Tuner front-end	
2	AM+B	I/O	AM+B (AM operation : H)	
3	(FM+B)	O	FM+B (FM operation : H, Last FM : H with RDS, RBDS model)	
4	PAN E2P DATA	I/O	Variable illumination D/A converter, E2PROM DATA terminal	
5	PAN E2P CLK	I/O	Variable illumination D/A converter, E2PROM CLK terminal	
6	EVDD	-	VDD 5V	
7	EVSS	-	GND	
8	AFS	O	Time constant switching for noise detection (FM seek, AF search, AUTO 0 : L, Receiving : H)	
9	BEEP	O	BEEP audio output terminal	
10	REMO	I	Remote control input terminal	
11	P MUTE	O	Audio power IC muting control terminal (POWER OFF, ALL OFF, TEL MUTE : L)	
12	SVR	O	Audio power IC SVR discharge circuit control terminal	
13	IC2 SDA	I/O	CD mechanism, IC2, IC5, ROM correction DATA line	
14	IC2 CLK	I/O	CD mechanism, IC2, IC5, ROM correction CLOCK line	
15	P STBY	O	Audio power IC Stand-by terminal (POWER IC ON, ALL OFF : H, POWER IC OFF : L)	
16	P CON	I/O	Power control terminal (POWER ON : H, POWER OFF, ALL OFF : Hi-Z)	
17	WOW MODE2	O	WOW control terminal	1
18	TEST	-	NC (GND)	
19	DIAG	I	Over voltage/Over current detection terminal (Normal : H, Bad condition : L)	
20	MUTE	O	MUTE output terminal (ON : OPEN, OFF : L)	
21	PRE MUTER	O	PREOUT (Rch) muting control terminal	
22	PRE MUTEL	O	PREOUT (Lch) muting control terminal	
23	BU DET	I	Momentary power dropped detection terminal (No Backup, Momentary power dropped : H, Backup : L)	
24	ACC DET	I	ACC detection terminal (With ACC : L, Without ACC : H)	
25	FOCUS	I/O	WOW/FOCUS control terminal (FOCUS HI : H, FOCUS LOW : L)	
26	EXT AMP CONT	O	External amplifier control terminal	
27	DIMMER	I	Small lamp detection terminal (ON : L, OFF : H)	
28	ANT CONT(TYPE2)	I/O	Antenna control/Destination select terminal (TUNER ON : H)	
29	P ON	I/O	SW14V, SW5V control terminal (POWER ON : H, POWER OFF : Hi-Z)	
30	ILL ON	I/O	FL, illumination control terminal (ON : H, OFF : Hi-Z)	
31	RESET	I	Reset input terminal	
32,33	XT1/XT2	-	Sub clock (32.768KHz)	
34	REGC	-	Connect to 1μF capacitor	
35,36	X2/X1	-	Main clock (20MHz)	
37	VSS	-	GND	
38	VDD	-	AVR 5V	
39	CLKOUT	-	NC	
40	LX REQ M	O	Communication request to external slave unit (Request : L)	
41	LX MUTE	I	Mute request from external slave unit (MUTE : H)	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Description / Processing Operation	Fig.
42	LX CON	O	External slave unit (ON : H, OFF : L)	
43	LX RST	O	Reset output to external slave unit (Normal : L, After system reset : H 400ms or more and then L)	
44	CD MECHA+B	O	CD4.7V output terminal (CD : H, Except CD source : L)	
45,46	TYPE0/TYPE1	I	Destination select terminal	
47,48	IC2 TYPE0/TYPE1	I	IC2 destination select terminal	
49	PAN5V	O	Panel 5V control terminal (ON : H, Momentary power dropped : Hi-Z)	
50	E2P5V	I/O	E2PROM, D/A converter power supply control terminal (ON : L, OFF : Hi-Z)	
51	DSI	I/O	DSI control (ON : L, OFF : Hi-Z)	
52	MC REQ	O	Communication request to panel microprocessor	
53	PAN RST	O	Reset output to panel microprocessor (Normal : H, Reset, Momentary power dropped : L)	
54	WOW MODE3	O	WOW control terminal	1
55	DVDD	-	AVR 5V	
56	DVSS	-	GND	
57	SC CON	O	Panel microprocessor control terminal (POWER OFF, ACC OFF : L)	
58	M RST	O	Reset output to CD mechanism (Normal : H, Reset : L)	
59	M STOP	O	Stop request to CD mechanism (STOP : L, CD : H)	
60	CD SW3	I	CD DOWN SW detection terminal (CD disc chucking : H)	
61	LO/EJ	I/O	CD mechanism loading/ eject selector (STOP, Brake : Hi-Z, LOADING : L, EJECT : H)	
62	MOSW	O	CD mechanism motor driver SW (LOADING, EJECT, Brake : H)	
63	FPM MOTOR B	O	FPM mechanism (Slider) control terminal	2
64	FPM MOTOR F	O	FPM mechanism (Slider) control terminal	2
65	FPM MOTOR O	O	FPM mechanism (Angle) control terminal	2
66	FPM MOTOR C	O	FPM mechanism (Angle) control terminal	2
67	O DATA	I/O	External display DATA terminal	2
68	O CLK	I/O	External display CLK terminal	
69	O CE	I/O	External display chip enable terminal	
70	M MUTER	I	Mute request from CD mechanism (Rch ON : L)	
71	AVDD	-	AVR 5V	
72	AVSS	-	GND	
73	AVREF	I	Connect to P-ON (29PIN)	
74	M MUTEL	I	Mute request from CD mechanism (Lch ON : L)	
75	PAN DET	I	PANEL, E2PROM detection terminal (With panel : L, Without : H)	
76	PHONE	I	PHONE detection terminal (TEL MUTE : 1V or less, NAVI MUTE : 2.5V or more)	
77	FPM SW4	I	FPM mechanism position detect/ CD Mechanism detection terminal (3.75V or more : No mechanism, 1.25V or more : H, Less than 1.25V : L)	2
78	FPM SW1	I	FPM mechanism position detect terminal	2
79	FPM SW2	I	FPM mechanism position detect terminal	2
80	FPM SW3	I	FPM mechanism position detect terminal	2
81	FPM PHOUT	I	FPM mechanism position detect terminal (2.2V or more : H)	2
82	S METER	I	S meter detection terminal	

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MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Description / Processing Operation	Fig.
83	NOISE	I	FM noise detection terminal	
84	IFC OUT	I	Front end IFC OUT input terminal (Receiving station : 2.5V or more)	
85	POWER DET	I	Audio power IC DC offset detection	
86	CD SW4	I	8cmDISC detection terminal (8cmDISC : L)	
87	R CLK	I	RDS decoder clock input terminal	
88	LX REQ S	I	Receive request from external slave unit (Request : L)	
89	SC REQ	I	Communication request from panel microprocessor	
90	CD SW1	I	LOADING SW detection terminal (LOADING start, POWER OFF : L)	
91	CD SW2	I	12cmDISC detection terminal (12cmDISC, POWER OFF : L)	
92	R QUAL	I	RDS decoder QUAL input terminal	
93	R DATA	I	RDS decoder DATA input terminal	
94	LX DATA S	I	Data input from external slave unit	
95	LX DATA M	O	Data output to external slave unit	
96	LX CLK	I/O	Clock input/ output with external slave unit	
97	PAN RX	I	Data input from panel microprocessor	
98	PAN TX	O	Data output to panel microprocessor	
99	WOW MODE1	O	WOW control terminal	
100	PLL CLK	I/O	Clock input/ output to Tuner front-end	1

Fig.1 WOW mode operation

MODE	WOW MODE1	WOW MODE2	WOW MODE3	FOCUS
BYPASS	L	L	L	Don't care
TuBass	L	H	L	Don't care
3D-STEREO	L	L	H	Don't care
FOCUS LOW	H	L	L	L (Hi-Z)
FOCUS HI	H	L	L	H
WOW LOW	H	H	H	L (Hi-Z)
WOW HI	H	H	H	H

Fig.2 FPM motor control

SLIDE		FPM mechanism operation	ANGLE		FPM mechanism operation
FPM MOTOR B	FPM MOTOR F		FPM MOTOR O	FPM MOTOR C	
L	L	Standby	L	L	Standby
H	L	Backward operation	H	L	Angle open direction
L	H	Forward operation	L	H	Angle close direction
H	H	Brake	H	H	Brake

MICROCOMPUTER'S TERMINAL DESCRIPTION

● PANEL MICROPROCESSOR : 703132GJ011-A (X16-253 : IC1)

Pin No.	Pin Name	I/O	Description / Processing Operation
1~7	D14~D8	I/O	External ROM data input/output terminal
8	3.3VDD	-	AVR 3.3V
9	VSS	-	GND
10~17	D7~D0	I/O	External ROM data input/output terminal
18	FL GCP1	O	FL bright control terminal
19	SC REQ	O	Communication request to system microprocessor (H : Request)
20	MC REQ	I	Request from system microprocessor (H : Request)
21	SC CON	I	Panel microprocessor control (H : While operation)
22	FL BLK	O	Display control SW for FL driver (H : Display ON, L : Display OFF)
23	2.5V VDD	-	AVR 2.5V
24	VSS	-	GND
25~27	KS5~KS3	O	Key scan output terminal
28,29	TDI/TDO	-	NC
30,31	KS2,1	O	Key scan output terminal
32	TRST	I	NC
33	ROTARY CCW	I	Volume input terminal
34	ROTARY CW	I	Volume input terminal
35,36	TMS/TCM	O	NC
37	3.3VDD	-	AVR (3.3V)
38	VSS	-	GND
39~42	KI1~KI4	I	Key return input terminal
43	FLGCP2	O	FL bright control terminal
44	NC	-	NC
45	SYS TX	I	DATA input from system microprocessor
46	SYS RX	O	DATA output to system microprocessor
47	FL CLK3	O	Clock output to FL driver
48	KI5	I	Key return input terminal (SRC, OPEN, EJECT interrupt port)
49	FL DATA3	O	DATA output to FL driver
50	SCK1	I	Clock input from FL driver
51	NC	-	NC
52	FL DATA2	O	DATA output to FL driver
53	CLK IN1	I	Clock input from FL driver
54	NC	-	NC
55	FL DATA1	O	DATA output to FL driver
56	3.3VDD	-	AVR (3.3V)
57,58	X2/X1	-	Main clock (5MHz)
59~61	CVSS/CKSEL/PSEL	-	GND
62	2.5V VDD	-	AVR 2.5V
63	VSS	-	GND

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MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Description / Processing Operation
64,65	MODE0,1	-	GND
66	PAN RST	I	Reset signal request form system microprocessor (L : Reset)
67	VREF	-	Connect to 83PIN (VREF)
68,69	NC	-	NC
70,71	AVSS1,0	-	GND
72	VREF	-	Connect to 83PIN (VREF)
73	WAVE IN	I	Audio signal input terminal
74	F06	I	Spectrum analyzer input terminal (BPF 10KHz)
75	F05	I	Spectrum analyzer input terminal (BPF 3.3KHz)
76	F04	I	Spectrum analyzer input terminal (BPF 1KHz)
77	F03	I	Spectrum analyzer input terminal (BPF 330Hz)
78	F02	I	Spectrum analyzer input terminal (BPF 150Hz)
79	F01	I	Spectrum analyzer input terminal (BPF 63Hz)
80	NC	-	NC
81	2.5V VDD	-	AVR 2.5V
82	VSS	-	GND
83	VREF CON	O	VREF control terminal (Connect to VREF terminal)
84	NC	-	NC
85	FLGCP3	O	FL bright control terminal
86	NC	-	NC
87	FL LATCH	O	Latch output to FL driver IC
88,89	NC	-	NC
90	REMO ON	O	Power supply control for remote control IC (H : ON, Hi-Z : OFF)
91	FL3.3V SW	O	FL3.3V control terminal (H : ON, Hi-Z : OFF)
92	FL+B SW	O	FL+B control terminal (H : ON, Hi-Z : OFF)
93	3.3V SW	O	3.3V control terminal (L : ON, Hi-Z : OFF)
94	NC	-	NC
95	OE	O	OE control for Flash ROM (L : DATA transmission, Hi-Z : Wait ready)
96	NC	-	NC
97	WE/WR	O	WRITE/READ control for Flash ROM (L : Writing, Hi-Z : Wait ready)
98	3.3V VDD	-	AVR 3.3V
99	EVSS	-	GND
100	CE ROM	O	CE control for ROM (L : DATA transmission, Hi-Z : Wait ready)
101	CE F/ROM	O	CE control for Flash ROM (L : DATA transmission, Hi-Z : Wait ready)
102	FLASHROM CHECK	O	Writing condition check for Flash ROM (H : OK, L : NG)
103,104	NC	-	NC
105	GREEN LED	O	Select for illumination (GREEN H : ON, L : OFF)
106	RED LED	O	Select for illumination (RED H : ON, L : OFF)
107	DISP LED	O	DISP LED control (Normal H: ON, L : OFF)
108	BLACK DISP	O	Light up to DISP LED (H : ON, L : OFF)

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Description / Processing Operation
109,110	NC	-	NC
111	SA RST	O	Reset for spectrum analyzer (H : Reset, L : Normal)
112	3.3V VDD	-	AVR 3.3V
113	EVSS	-	GND
114~117	NC	-	NC
118~123	A21~A16	O	Address bus
124	2.5V VDD	-	AVR 2.5V
125	VSS	-	GND
126~133	A15~A8	O	Address bus
134	3.3V VDD	-	AVR 3.3V
135	EVSS	-	GND
136~143	A7~A0	O	Address bus
144	D15	I/O	External ROM data input/output terminal

● MECHANISM CONTROL MICROPROCESSOR : 91CW12AFG-4VF6 (X32-559 : IC1)

Pin No.	Pin Name	I/O	Description / Processing Operation
1	VREFL	I	Reference voltage input terminal
2	AVSS	-	GND for ADC
3	AVCC	-	Power supply for ADC (BU3.3V)
4	NC	O	NC (OPEN)
5	20RST	O	Reset control output terminal (for decoder) L : RESET, H : NORMAL
6	20ACK	I	Acknowledge signal input terminal (for decoder)
7	20STBY	O	Standby control (for decoder) H : STAND BY, L : NORMAL
8,9	NC	O	NC (OPEN)
10	20INT	I	Interrupt signal input terminal (for decoder)
11	FOGUP	I	Interrupt for focus gain up control signal H : Focus gain UP, L : NORMAL
12	LZM	I	0bit muting detect (Lch) L : MUTE OFF, H : MUTE ON
13	RZM	I	0bit muting detect (Rch) L : MUTE OFF, H : MUTE ON
14,15	NC	O	NC
16	20CS	O	Chip select signal output terminal (for decoder)
17	20LP	O	Latch pulses signal output terminal (for decoder)
18	20TXD0	I/O	Serial data signal output terminal (for decoder)
19	20RXD0	I	Serial data signal input terminal (for decoder)
20	20SCLK0	O	Serial data clock output terminal (for decoder)
21	DSPTXD1	O	Serial data signal output terminal (for DSP)
22	DSPRXD1	I	Serial data signal input terminal (for DSP)
23	DSPSCLK1	O	Serial data clock output terminal (for DSP)
24	AM0	I	Select for ROM mode H : NORMAL, L : External ROM mode
25	DVCC	-	BU3.3V

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MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Description / Processing Operation
26	X2	O	Oscillator (16MHz)
27	DVSS	-	GND
28	X1	I	Oscillator (16MHz)
29	AM1	I	BU3.3V
30	<u>RESET</u>	I	Reset terminal L : RESET, H : NORMAL
31,32	NC	O	NC
33,34	EMU0,1	O	NC
35	<u>DSPSTB</u>	O	Data strobe signal output terminal
36	DSPA0	O	Command, parameter select signal H : Parameter, L : Command
37	<u>DSPRST</u>	O	Reset control output terminal (for DSP)
38	DSPINT	I	Interrupt signal input terminal (for DSP) H : Interrupt
39	/DAC RESET	O	Reset signal output terminal (for DSP) L : RESET, H : NORMAL
40	SEARCH	O	Search condition output terminal H : Search, L : NORMAL
41	LOE/LIM_SW	I	SLT SW detect input terminal H : Inside
42~45	NC	O	NC (OPEN)
46	PONE5	O	+5V AVR control terminal (for VIDEO) H : Power ON
47	PONE2.5	O	+2.5V AVR control terminal (for VIDEO) H : Power ON
48,49	NC	O	NC (OPEN)
50	FLAGIN	I	C2 error detect terminal L : Correction OK, H : Correction NG
51~60	NC	O	NC (OPEN)
61	/DAC PD	O	Reset control output terminal (for DAC) L : RESET, H : NORMAL
62	DVSS	-	GND
63	<u>NMI</u>	I	Request for non maskable interrupt signal input terminal
64	DVCC	-	+VCC
65	DAC MUTE	O	Muting control output terminal (for DAC) H : MUTE, L : MUTE OFF
66	DAC PON	O	Audio power supply (for DXM-6550) H : POWER ON
67	PONA5	O	+5V Audio power supply (for DXM-6550) H : POWER ON
68	<u>ESRST</u>	O	Reset signal output terminal (for ES3890) L : RESET, H : NORMAL
69	VMUTE	O	Video mute control terminal H : MUTE ON, L : MUTE OFF
70	NC	O	NC (OPEN)
71	SELINT	O	Video/Audio select output terminal H : NORMAL, L : Interrupt
72	ASEL0	O	Audio signal output select control terminal 1 00 : STEREO, 01 : Lch
73	ASEL1	O	Audio signal output select control terminal 1 10 : Rch, 11 : Not function
74	<u>NT/PAL</u>	O	NTSC/PAL select terminal L : NTSC, H : PAL
75	DATASEL	O	20F/ES3890 output select H : 20F, L : ES3890
76,77	NC	O	NC (OPEN)
78	NC (BOOT)	I	Flash memory writing terminal L : Writing, H : NORMAL
79,80	NC	O	NC (OPEN)
81	POND3.3	O	D3.3V power ON control terminal H : POWER ON
82	<u>MUTEL</u>	O	Audio muting control terminal (Lch)

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Description / Processing Operation
83	<u>MUTER</u>	O	Audio muting control terminal (Rch)
84	SDA	I/O	I2C data (for system microprocessor)
85	SCL	I/O	I2C clock (for system microprocessor)
86	MSTOP	I	Interrupt signal for stand-by mode L : STOP, H : STOP cancellation
87	NC	O	NC
88	<u>DMUTE</u>	O	Driver muting control L : MUTE ON, H : MUTE OFF
89	DVCC	-	+VCC
90	NC	O	NC (OPEN)
91	DVSS	-	GND
92,93	NC	I	NC
94	MSEL	I	Memory capacity select input terminal H : Capacity Down, L : Capacity UP
95	VCDSEL	I	NC
96	ASEL	I	Audio signal output polarity selector H : Reversal output, L : Noninversion output
97	CHSEL	I	Changer detect input terminal H : Changer, L : Normal
98	SEL0	I	Destination input terminal
99	SEL1	I	Destination input terminal
100	VREFH	I	ADC reference power supply (BU3.3V)

TEST MODE

● How to enter the test mode

While pressing and holding the Preset 1 and Preset 3 keys, reset the unit.

● How to exit from the test mode

While holding the Preset 6 key, reset the unit.

Note : Turning ACC off, power off, momentary power down or panel detaching does not terminate the test mode.

● Initial status in the test mode

- Sources : ALL OFF
- Display : All segments are lit.
- Volume : -10dB (displayed as "30")
- Loudness : OFF
- CRSC : OFF regardless of the presence of switching function.
- SYSTEM Q : Flat
- WOW : All OFF
- BEEP : When pressing any keys, the buzzer generates a beep at any time.
- AUX : ON
- MENU SYSTEM Q : OFF
- Variable model : Default is white
- Multifunction : Source dependency (Preset, SCAN, etc.)

● Special display in Tuner mode

When any of the following messages is displayed in Tuner mode, the F/E may be abnormal.

- "TNE2P NG" : The EEPROM is set to the default (unstable values) because the F/E was shipped without passing through the adjustment process, etc.
- "TNCON NG" : Communication with the F/E is not possible.

● Forced switching of K3I

Each press of the Preset 6 key in Tuner mode should switch K3I from AUTO→Forced Wide→Forced Middle→Forced Narrow→AUTO.

The initial status is AUTO and the display shows these modes as follows.

- AUTO : FMA
- Forced Wide : FMW
- Forced Middle : FMM
- Forced Narrow : FMN

● Test mode specifications of the CD receiver

- Forced ejection is inhibited in the reset start operation. When the unit is reset while a CD is loaded in it, resetting does not recognize the CD.
- Each press of the Track Up key jumps to the following track numbers :
No. 9→No. 15→No. 10→No. 11→No. 12→No. 13→No. 22→No. 14→No. 9 (The cycle restarts from here.)
- Each press of the Track Down key jumps to the previous track number to the track being played.
- When the number of total tracks of the MP3 disc or the WMA disc is less than 9, 1st track is played.
- When the disc media is CD, A short press of the Preset 1 key jumps to the track number 28.
- When the model is equipped the CD mechanism assembly adapted for MP3 or MP3/WMA disc, the mechanism name and version number are displayed during the FL model is lower stand and Display mode of LCD model is DNPS.

● Audio-related specifications

- Pressing the * key on the remote initiates the audio adjustment mode.
- BL/F key on the Fader initials.
- Continuous holding of a remote control key is inhibited, and workings are short press of any keys.
- Bass, Middle and Treble are adjusted in 3 steps of -8 / 0 / +8 with the Track Up/Down keys (Default value at 0).
- Balance is adjusted in 3 steps of L15 / 0 / R15 with the Track Up/Down keys (Default value at 0).
- Fader is adjusted in 3 steps of R15 / 0 / F15 with the Track Up/Down keys (Default value at 0).
- HPF is adjusted in 2 steps of OFF / 170Hz (or 200Hz) with the Track Up/Down keys (Default value at OFF).
- LPF is adjusted in 2 steps of OFF / 120Hz with the Track Up/Down keys (Default value at OFF).
- Bass f, Bass Q, Bass EXT, Middle f, Middle Q and Treble f are not dealt with by the audio adjust.
- The WOW key passes during the audio adjustment as following steps (WOW model only).

Ordered	TruBass	FOCUS	SRS	Display
1	OFF	OFF	OFF	SRS WOW OFF
2	ON	OFF	OFF	SRS TruBass ON
3	OFF	LOW	OFF	FOCUS LOW
4	OFF	HIGH	OFF	FOCUS HIGH
5	OFF	OFF	ON	SRS ON
6	ON	HIGH	ON	SRS WOW HIGH

TEST MODE

● Menu-related specifications

- A short press of the Q key initiates the menu mode.
- Pressing the DNPP key on the remote initiates the Menu mode.
- Continuous holding of a remote control key is inhibited, and workings are short press of any keys.
- Contrast is adjusted in 3 steps of 0 / 5 / 10 with the Track Up/Down keys (Default value at 5).

● Backup current measurement

When the unit is reset while ACC is OFF (i.e. by turning Backup ON), the MUTE terminal goes OFF in 2 seconds in place of 15 second. (The CD mechanism is not activated at this time.)

● Special display when the display is all on

Pressing the Preset keys while the power is ALL OFF displays the following information.

[PRESET 1]	Version display (8 digits, Month/Day/Hour/Minute) (Display) SYS xxxxxxxx : PAN xxxxxxxx : FL model only MEM xxxxxxxx : 4 contrasts FL model only
[PRESET 2]	Serial number display (8 digits) (Display) SNo xxxxxxxx
[PRESET 3]	Short press : View power ON time. (The All OFF period is not counted.) 2 seconds long press/hold : Clear power ON time at the power ON time displaying. (Display) PonTim xxxx Max. 60000 (hours)
[PRESET 4]	Short press : Display CD operation time. 2 seconds long press/hold : Clear CD operation time at the CD operation time displaying. (Display) CDTim xxxx Max. 60000 (hours)
[PRESET 5]	Short press : Display CD ejection count. 2 seconds long press/hold : Clear CD ejection count at the CD ejection count displaying. (Display) EjeCnt xxxx Max. 60000 (times)
[PRESET 6]	Short press : Display Panel open/close count. 2 seconds long press/hold : Clear Panel open/close count at the Panel open/close count. (Display) PnCnt xxxx Max. 600000 (times)
FM key	Display ROM collection version. (Display) ROM R xxx Invalid : "R ---"

AM key	Display panel E2PROM condition. (Display) P-ROM OK (Registered code) P-ROM NG (Code is write in error) P-ROM WAIT (Unregistered code) P-ROM NON (Panel security nonfunctional)
--------	--

● Panel mechanism

- Auto-panel close inhibition when set-in the CD.
- The panel operation inhibition at power ON/OFF and ACC ON/OFF.
- The panel position changing Eject→Last with a short press of the PLAY/PAUSE keys.

● Other specifications

- No displays such as "CODE OFF/ON" during Power-ON.
- The LINE MUTE inhibition time is one second from 10 seconds when start-up the test mode.
- Do not write the security code with the security jig on the test mode.
- Do not write the serial with the serial writing jig on the test mode.
- OEM display output is not stop if OEM display not connection on the test mode.

● Switching the frequency span (K/M type)

While holding the Preset 1 key and Preset 5 key, reset the unit.

● Demonstration mode

1. How to enter to the Demonstration mode

1. Hold down the [Q] key and [TI (AME)] key button when the power is on and press the Reset button.
2. This will enter to the Demonstration mode.

2. How to cancel the Demonstration mode

1. Hold-down the Preset [5] key button when the power is on and press the Reset button.
2. This will cancel the Demonstration mode.

TEST MODE

● Security information

1. Forced Power ON mode (All models)

Even when the security (Cord) is approved, resetting the unit while holding the Q and Preset 4 keys makes it possible to turn the power ON for 30 minutes.

After 30 minutes have elapsed, it is not possible to return to the previous condition unless the unit is reset again. (Security code is doing not clear at this mode. Put the power on fill-in.)

When panel security was set up for the unit when it is can not power on.

In this case, you can use new ROM for the TDF panel that the unit can be power on for test mode.

Note : Don't enter the panel security set up for new ROM panel. User can not power on the unit.

2. Method of registration of the security code after EEPROM (F/E) replacement (Code security model)

1. Enter the test mode. (See How to enter the test mode)

2. Press the MENU key to enter the Menu mode.

3. When the message "Security" is displayed, press and hold the Track Up/Down key for 1 second to enter the security registration mode.

4. Enter the code using the FM/AM/Track Up/Track Down keys.

FM key : Number up

AM key : Number down

Track Up key : Cursor right shift

Track Down key : Cursor left shift

5. Hold down the Track Up key for at least 3 seconds and the message, "RE-ENTER" appears, so once again enter the code according to Step 4 above.

6. Press and hold the Track Up key for 3 seconds until "APPROVED" is displayed.

7. Exit from the test mode. (See 2. How to exit from the test mode)

Note 1 : All Clear is not applicable to the security code of this model.

Note 2 : When the F/E changed, need re-inscription because the panel security is clear.

3. How to inscription the panel security code

1. Enter the test mode.

2. Pressing the AM key on all lighting, check the "P-ROM WAIT" display.

3. The NEXT key is long press 2 seconds, writing the code.

4. Display is "P-ROM OK".

5. Exit from the test mode.

Note : E2PROM connection is NG when display is "P-ROM NG", so detach the panel and rewrite after the display is "PROM WAIT". This code can not clear.

4. Simple way to clear the security code (K type only)

1. During code request mode, press the Track UP key for at least 3 seconds while holding down the AUTO key. (---- will disappear)

2. Enter, "KCAR" with the remote controller as described below.

- Press the remote controller 5 key twice, and press the Track Up key. (Enters a "K")
 - Press the remote controller 2 key three times, and press the Track Up key. (Enters a "C")
 - Press the remote controller 2 key once, and press the Track Up key. (Enters an "A")
 - Press the remote controller 7 key twice, and press the Track Up key. (Enters an "R")
3. Security function is canceled and unit sets to All-Off mode.
4. Code request mode appears if a mistake was made in entering the numbers.

A

B

C

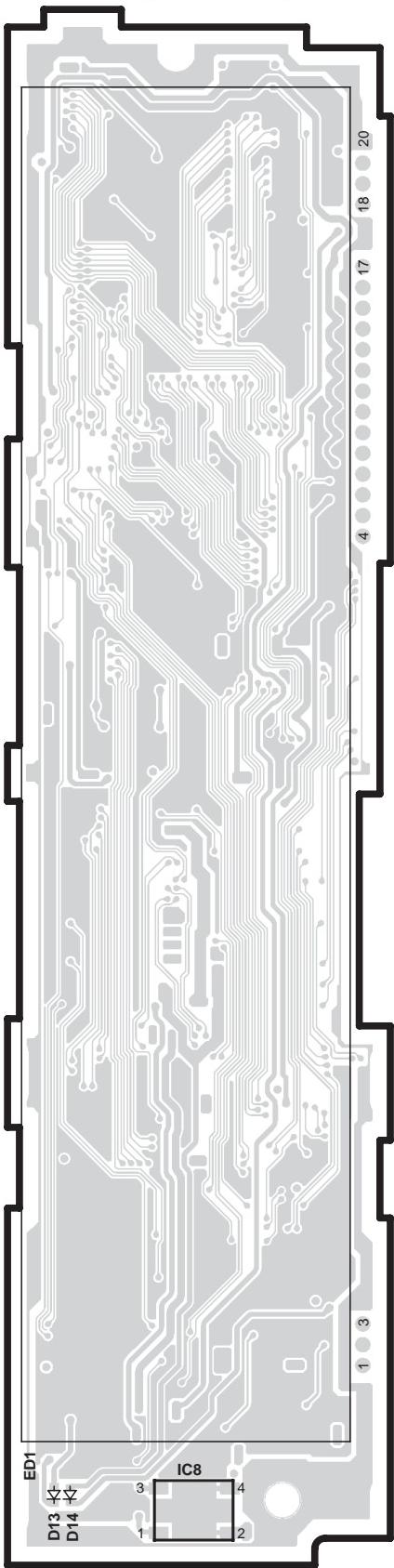
D

E

KDC-X879

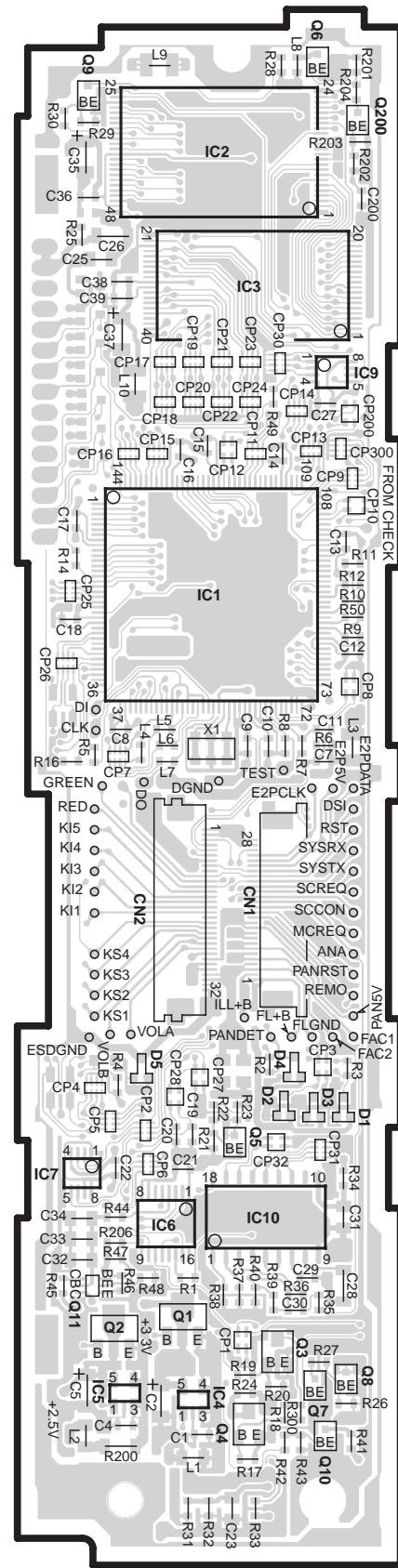
PC BOARD (COMPONENT SIDE VIEW)

DISPLAY UNIT
X16-2530-11 (J74-1587-02)



(FOIL SIDE VIEW)

DISPLAY UNIT
X16-2530-11 (J74-1587-02)

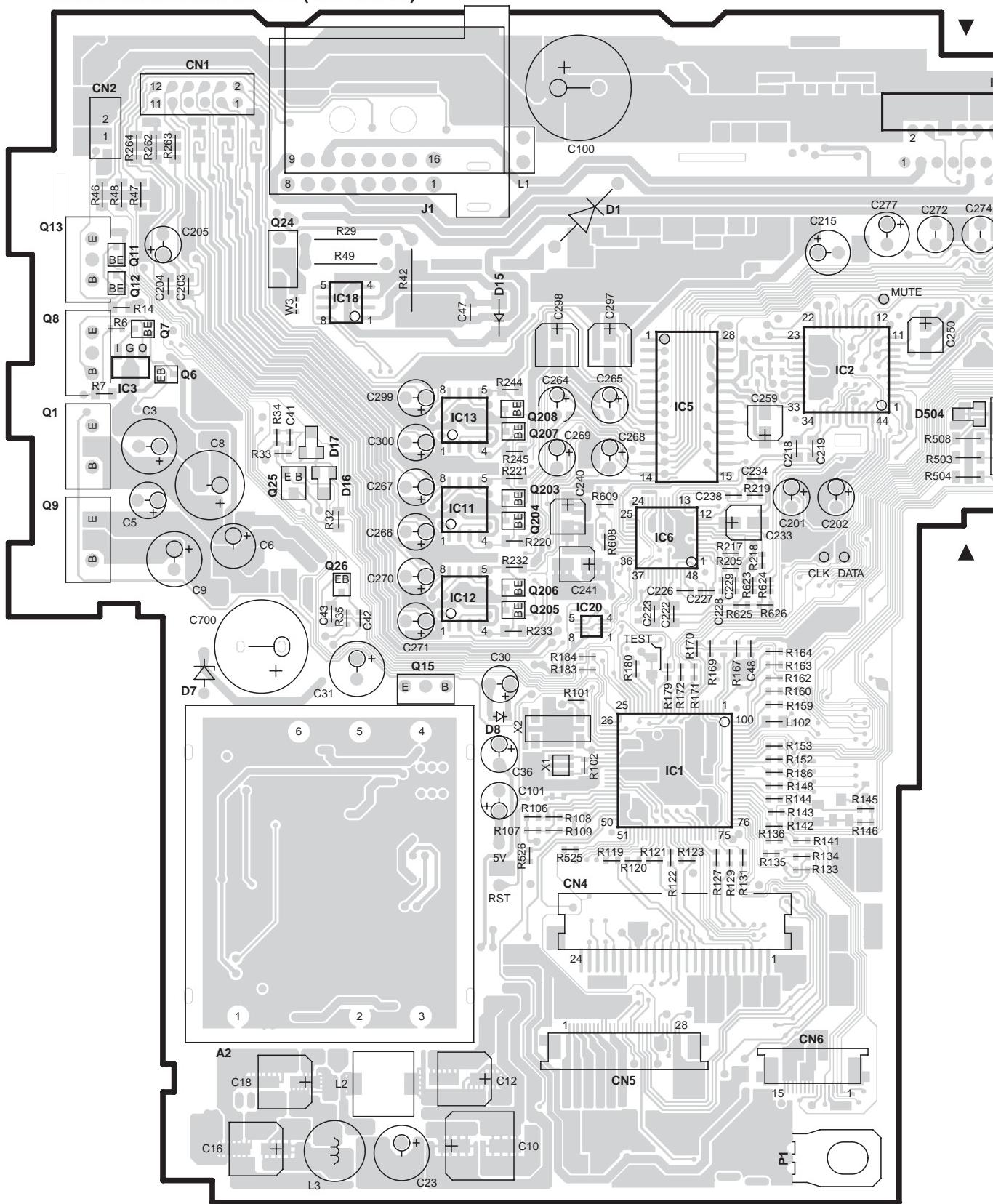


Refer to the schematic diagram for the values of resistors and capacitors.

KDC-X879

PC BOARD (COMPONENT SIDE VIEW)

ELECTRIC UNIT X34-3030-11 (J74-1473-32)



K

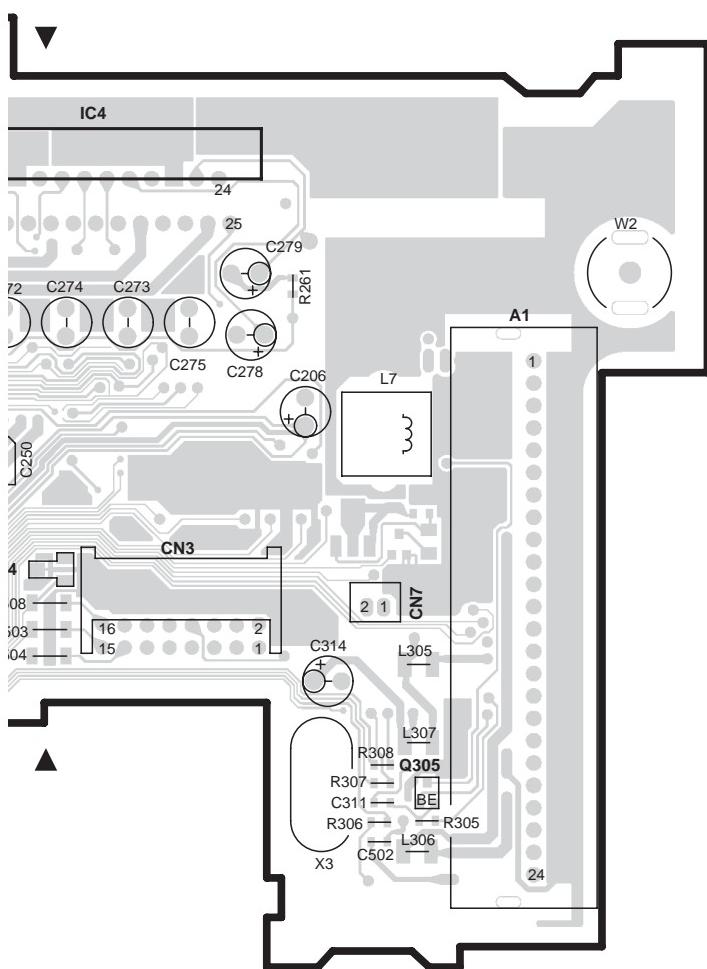
L

M

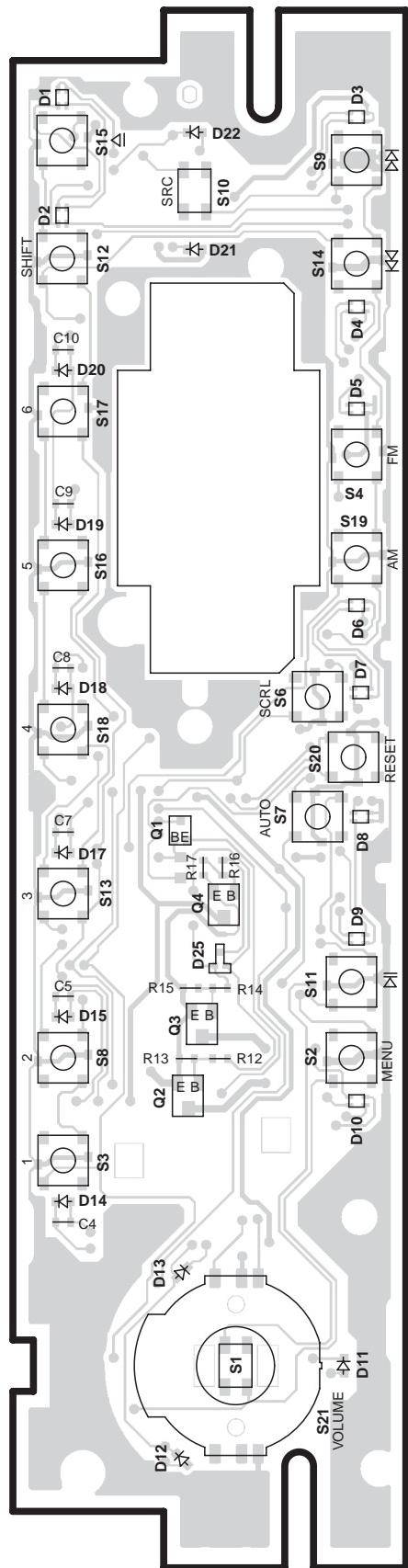
N

O

KDC-X879



SWITCH UNIT
X16-2560-10 (J74-1590-02)



X34-3030-11

Ref. No.	Address	Ref. No.	Address
IC1	5I	Q9	4F
IC2	3J	Q11	2F
IC3	3F	Q12	3F
IC4	2K	Q13	2F
IC5	3I	Q15	4H
IC6	4I	Q24	2G
IC11	4H	Q25	4G
IC12	4H	Q26	4G
IC13	3H	Q203	4H
IC18	3G	Q204	4H
IC20	4I	Q205	4H
Q1	3F	Q206	4H
Q6	3G	Q207	3H
Q7	3G	Q208	3H
Q8	3F	Q305	4L

X16-2560-10

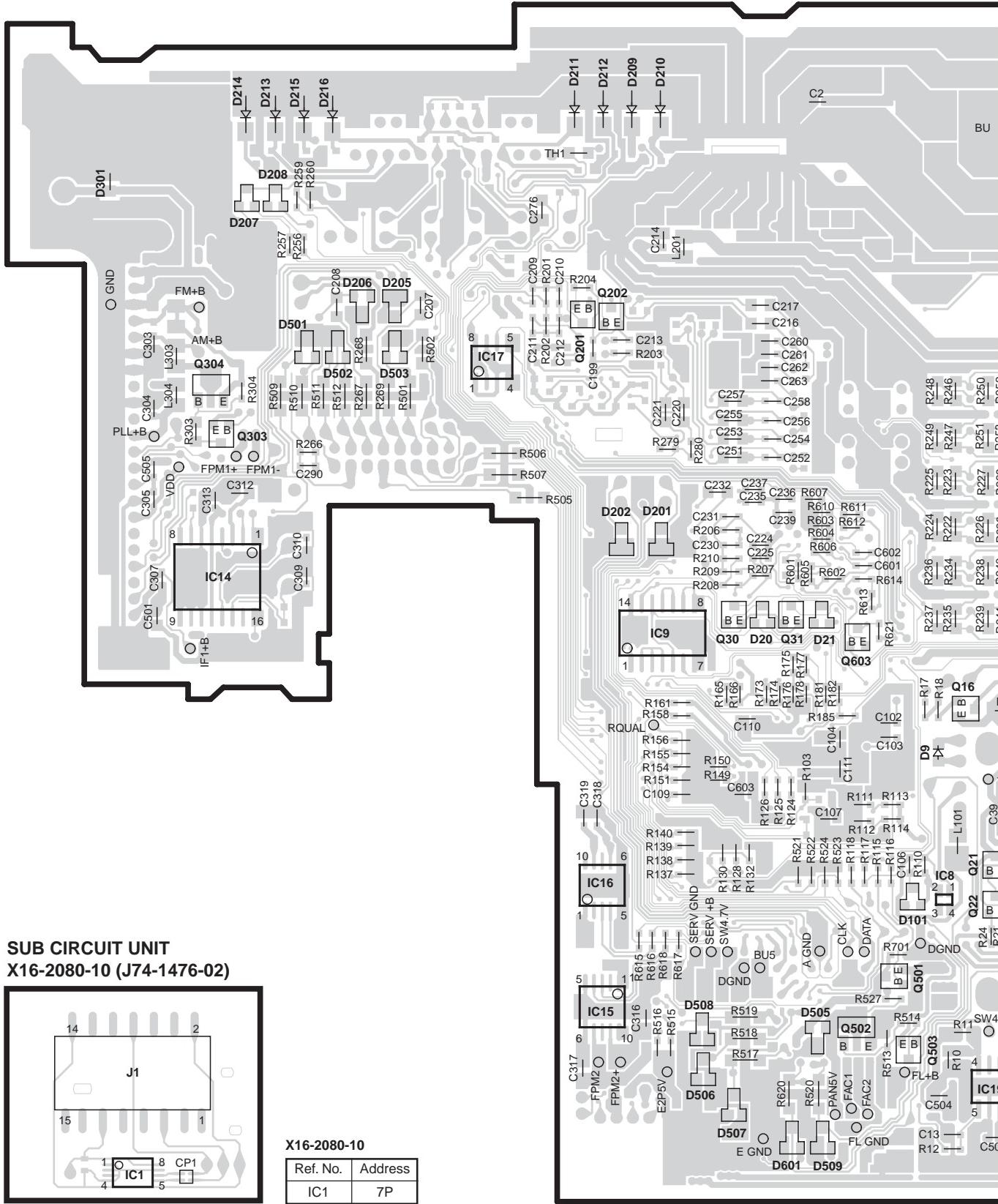
Ref. No.	Address
Q1	4N
Q2	5N
Q3	5N
Q4	5N

Refer to the schematic diagram for the values of resistors and capacitors.

KDC-X879

PC BOARD (FOIL SIDE VIEW)

ELECTRIC UNIT X34-3030-11 (J74-1473-32)



Refer to the schematic diagram for the values of resistors and capacitors.

U

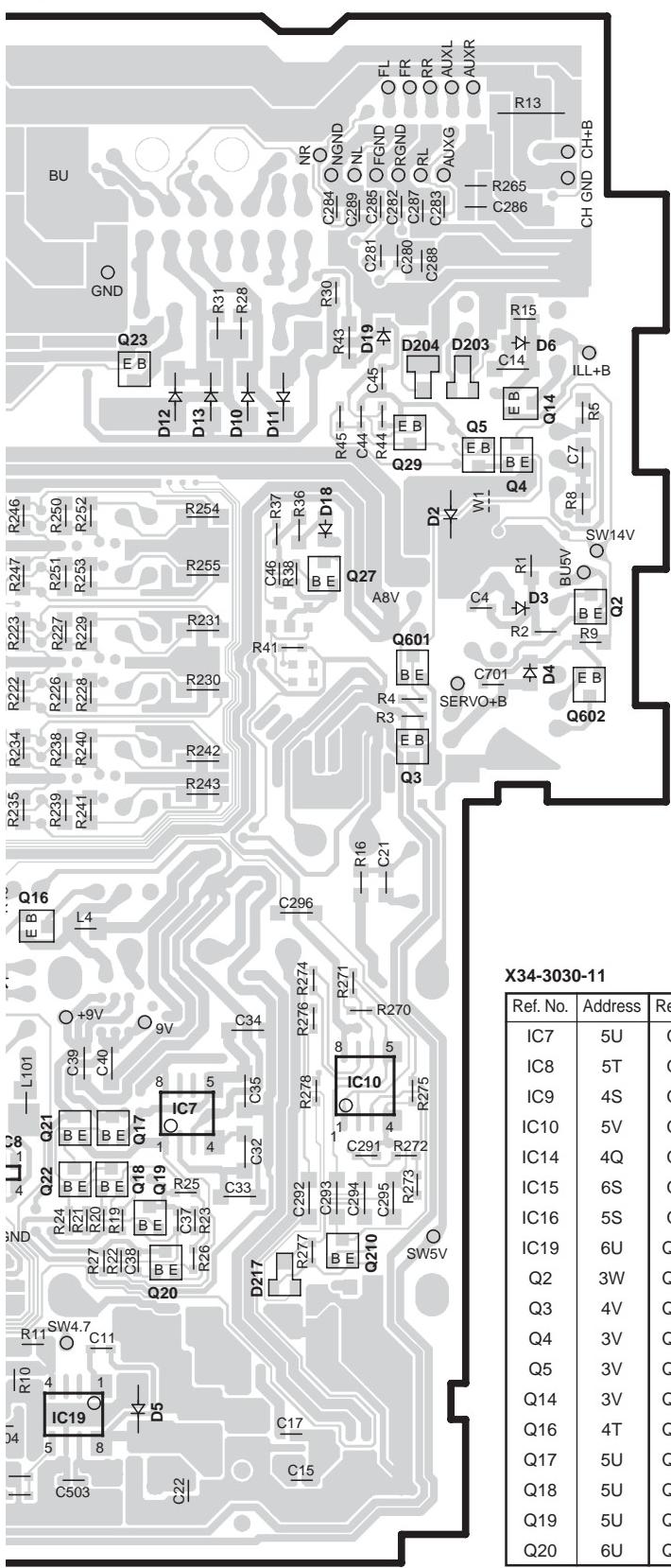
V

W

X

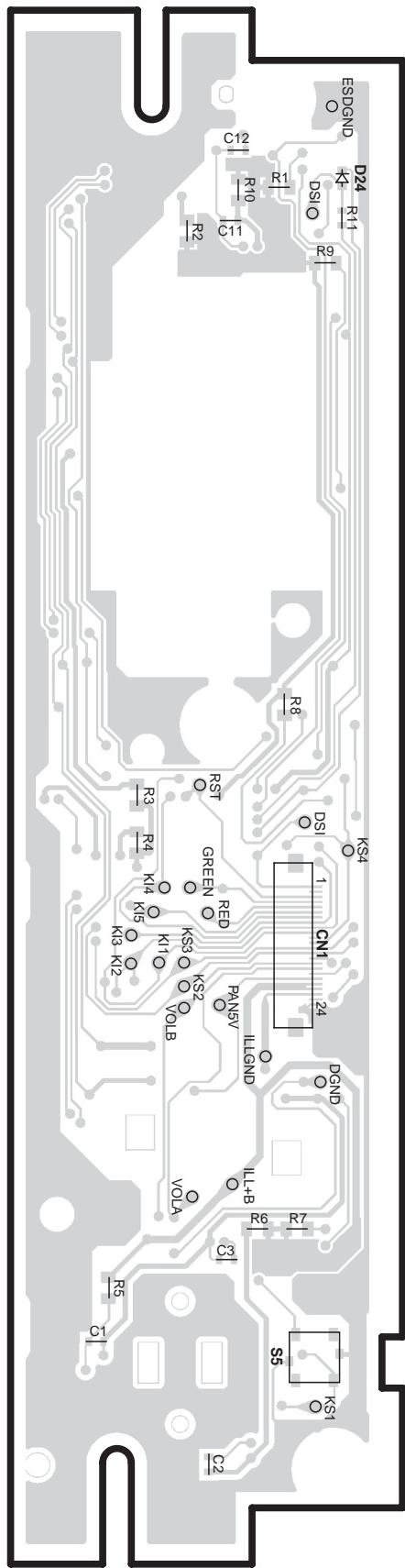
Y

KDC-X879



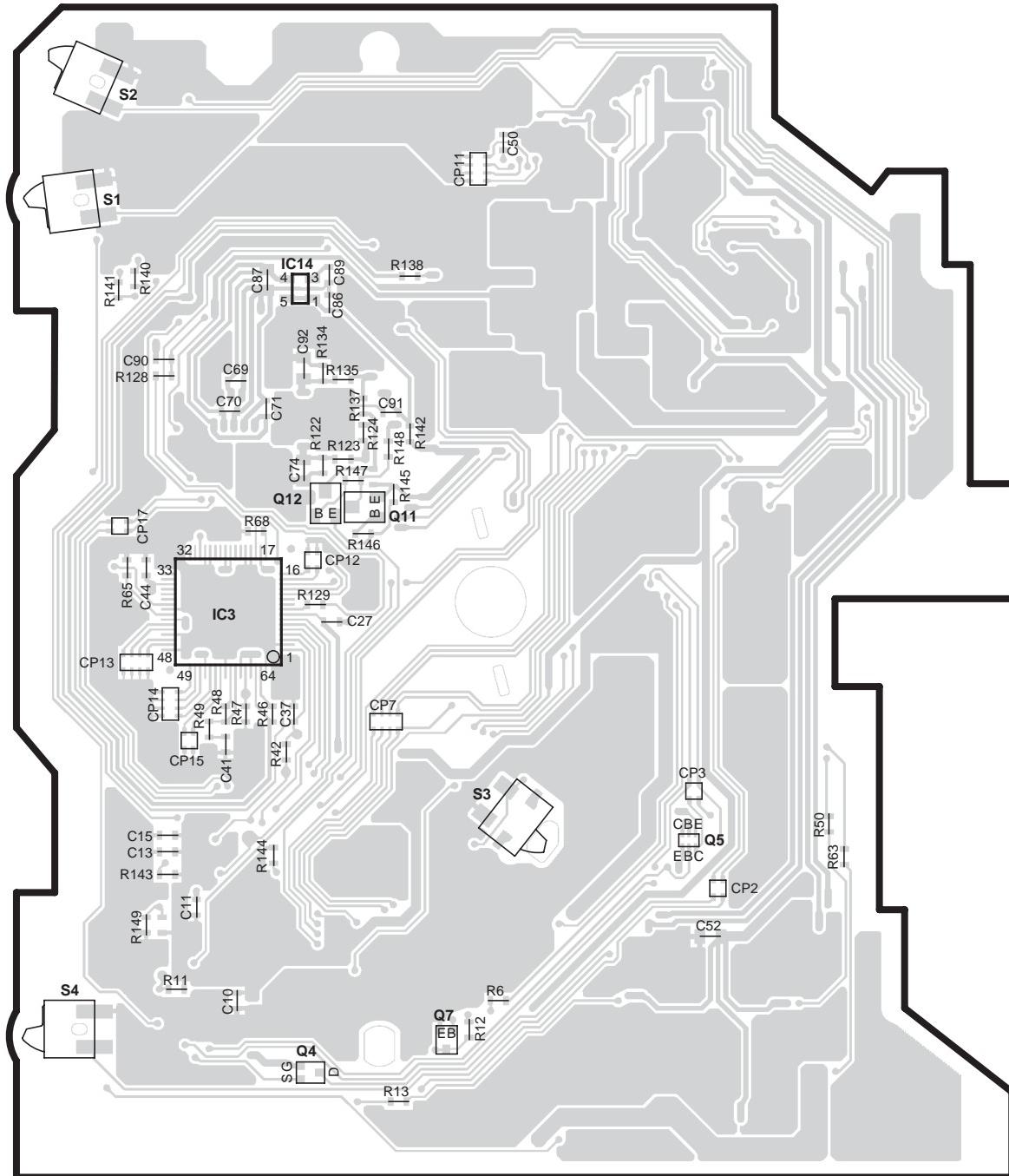
X34-3030-11

Ref. No.	Address	Ref. No.	Address
IC7	5U	Q21	5U
IC8	5T	Q22	5U
IC9	4S	Q23	3U
IC10	5V	Q27	3V
IC14	4Q	Q29	3V
IC15	6S	Q30	4S
IC16	5S	Q31	4T
IC19	6U	Q201	3S
Q2	3W	Q202	3S
Q3	4V	Q210	6V
Q4	3V	Q303	3Q
Q5	3V	Q304	3Q
Q14	3V	Q501	6T
Q16	4T	Q502	6T
Q17	5U	Q503	6T
Q18	5U	Q601	4V
Q19	5U	Q602	4W
Q20	6U	Q603	4T

SWITCH UNIT
X16-2560-10 (J74-1590-02)

KDC-X879**PC BOARD (COMPONENT SIDE VIEW)**

CD PLAYER UNIT X32-5590-00 (J74-1599-12)



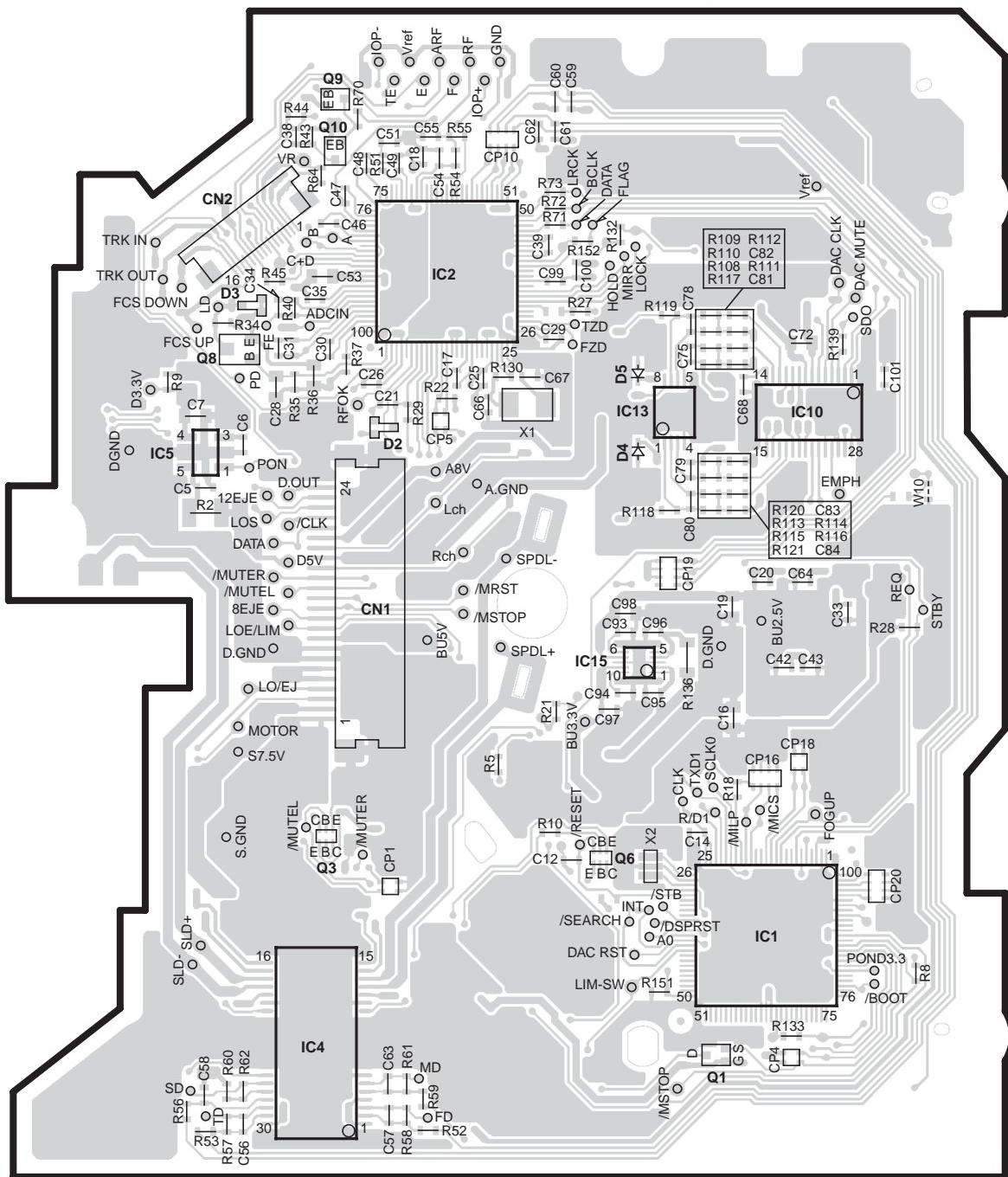
X32-5590-00

Ref. No.	Address
IC3	4AA
IC14	2AA
Q4	5AA
Q5	5AC
Q7	5AB
Q11	3AB
Q12	3AA

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

CD PLAYER UNIT X32-5590-00 (J74-1599-12)



X32-5590-00

Ref. No.	Address	Ref. No.	Address
IC1	5AH	Q1	5AH
IC2	2AG	Q3	5AF
IC4	5AF	Q6	5AG
IC5	3AE	Q8	3AF
IC10	3AH	Q9	2AF
IC13	3AG	Q10	2AF
IC15	4AG		

Refer to the schematic diagram for the values of resistors and capacitors.

A

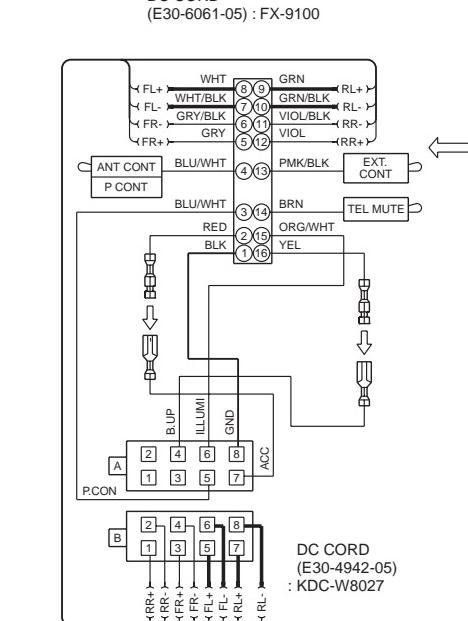
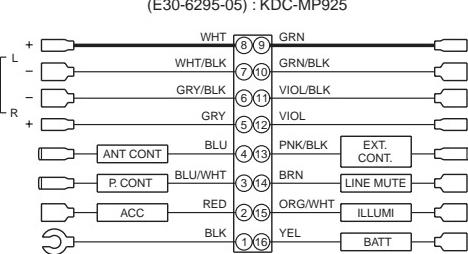
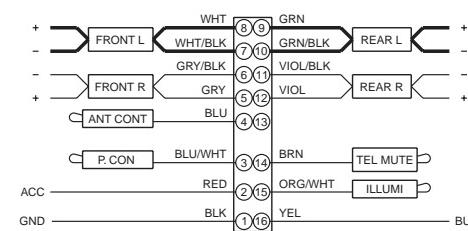
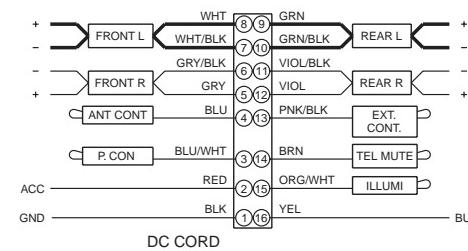
B

C

D

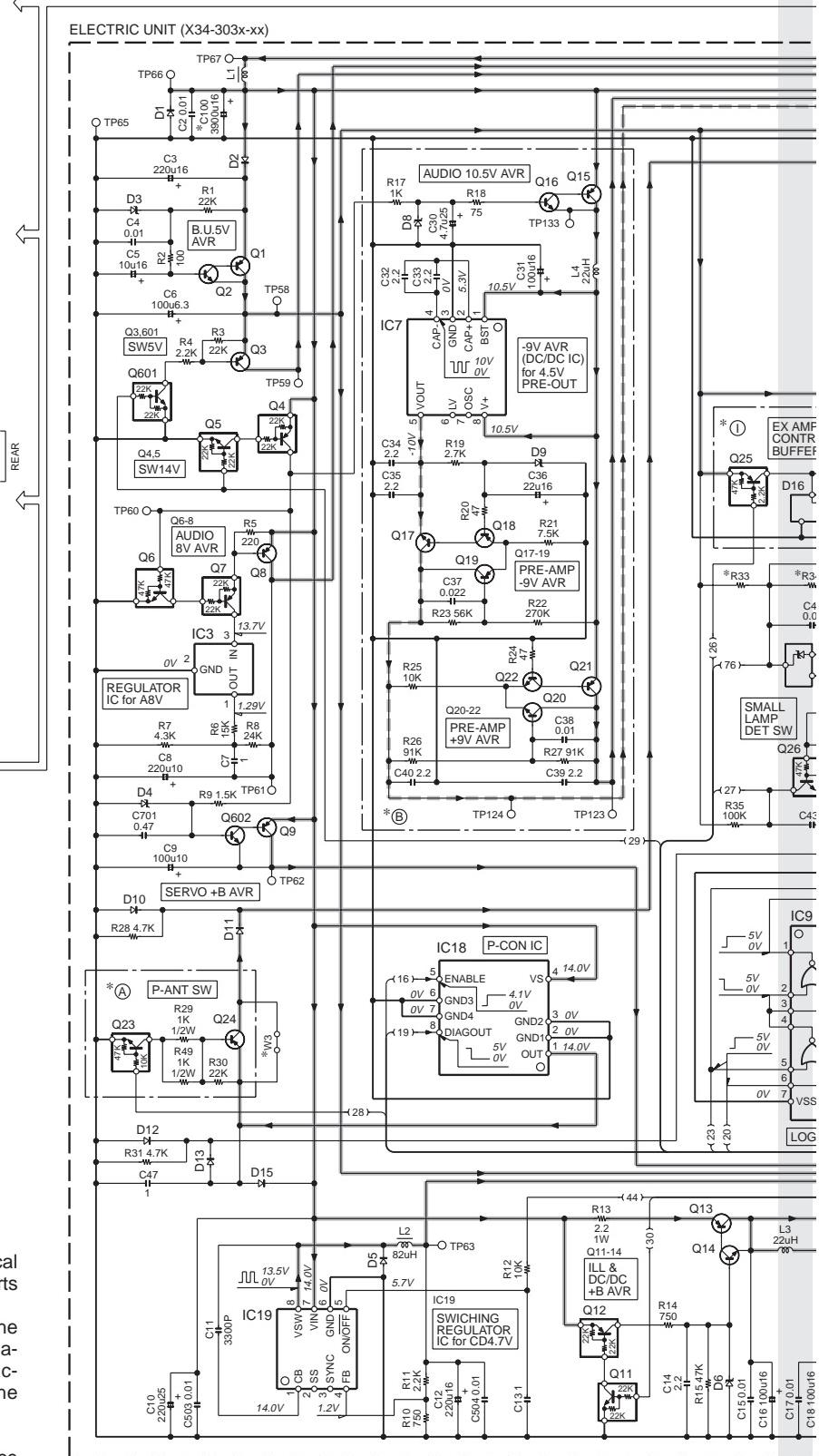
E

KDC-X879



(X34-303x-xx)

MODEL NAME	UNIT No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	A1	C100	C250	C259
KDC-MP925	0-10	YES		YES		YES				X	X86-3730-11	C90-5624	C92-0687	C92-0686
KDC-X879	0-11	YES		YES		YES				X	X86-3730-11	C90-5626	CE32AT1H2R2M	CE32AT1H1010M
FX-9100	0-01	YES		NO		NO				X	X86-3730-01	C90-5626	CE32AT1H2R2M	CE32AT1H1010M
KDC-W8027	2-71	NO		NO		YES				X	X86-3732-70	C90-5626	CE32AT1H2R2M	CE32AT1H1010M

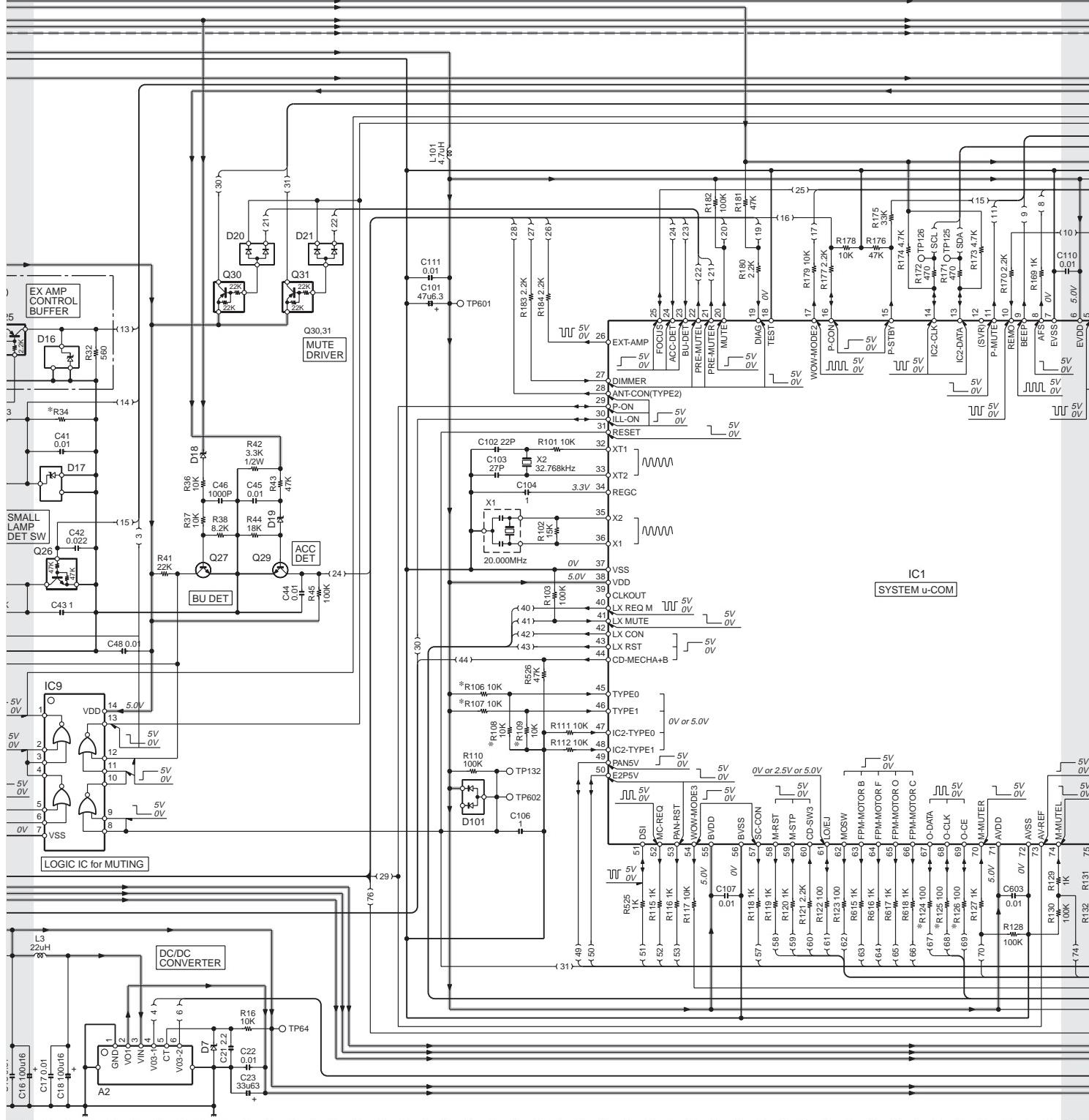


CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

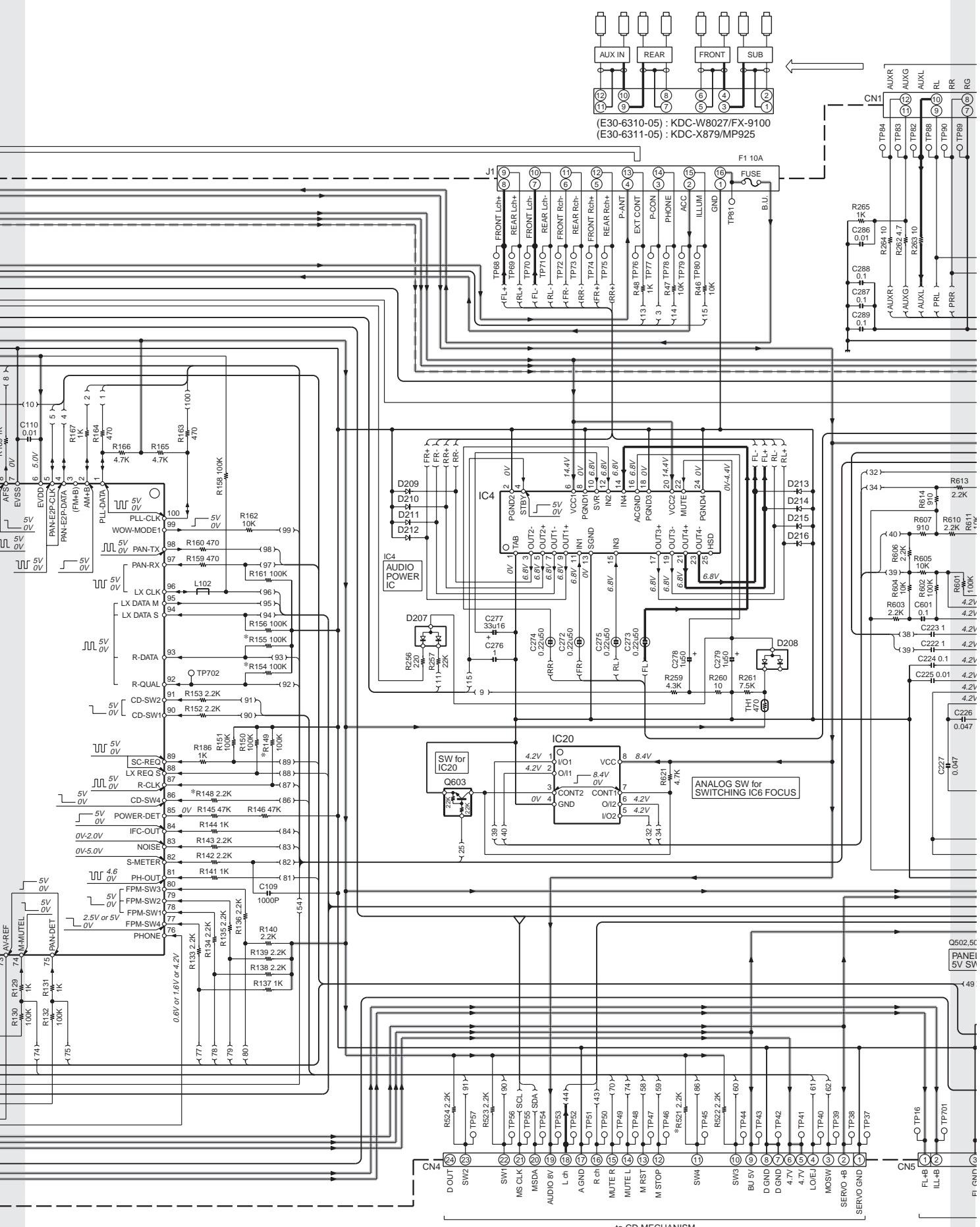
△ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

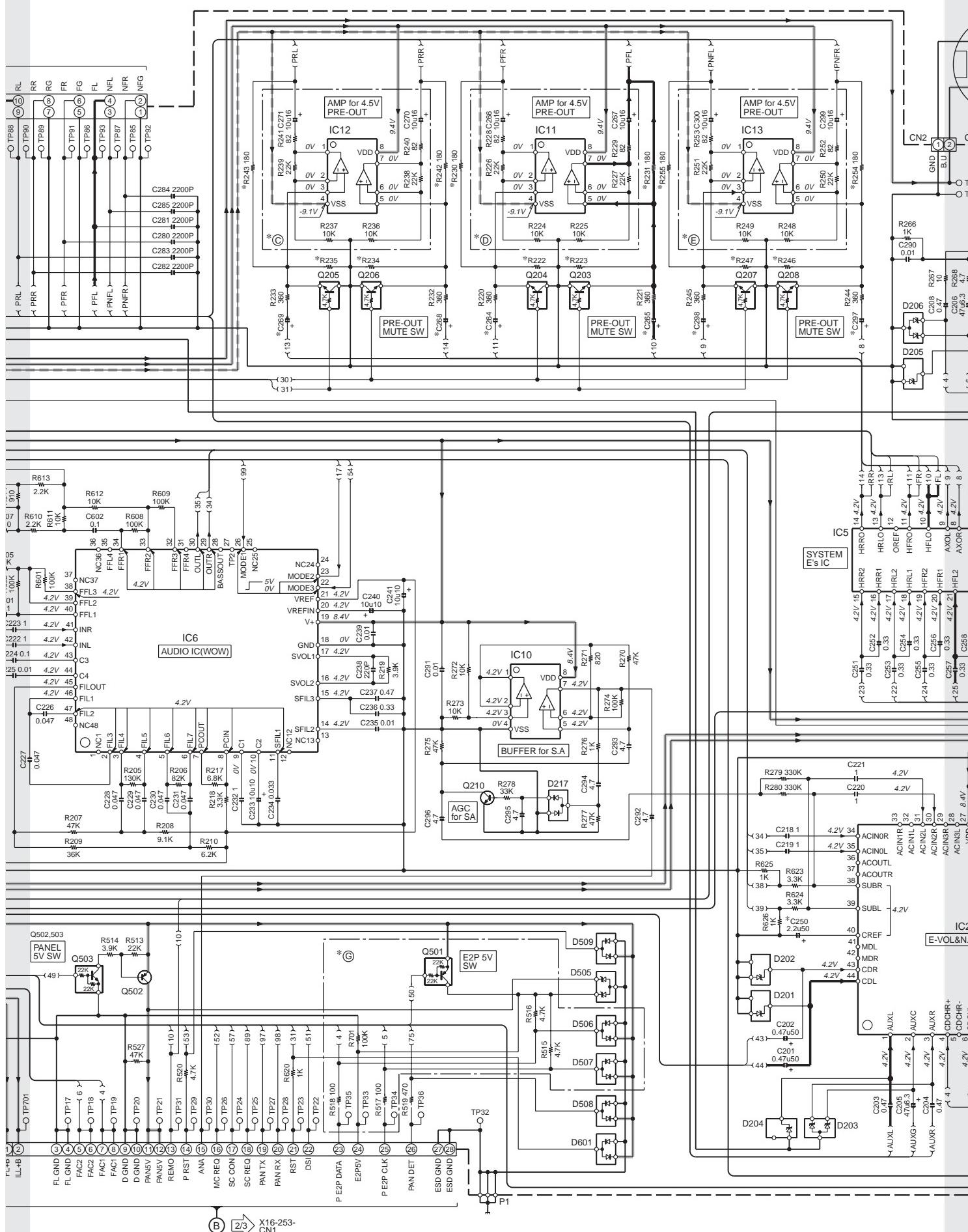
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

(X34-303x-xx)

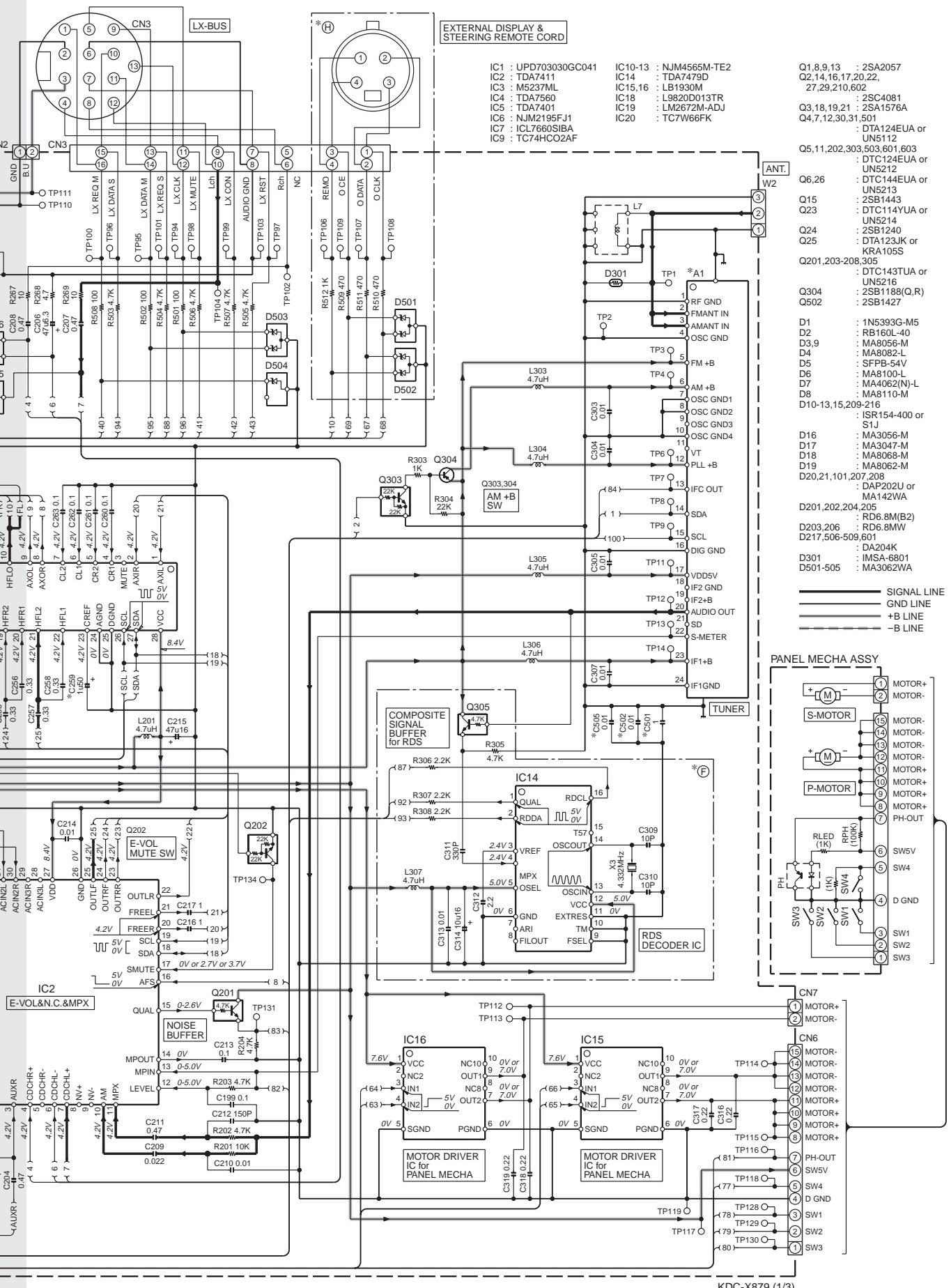


KDC-X879



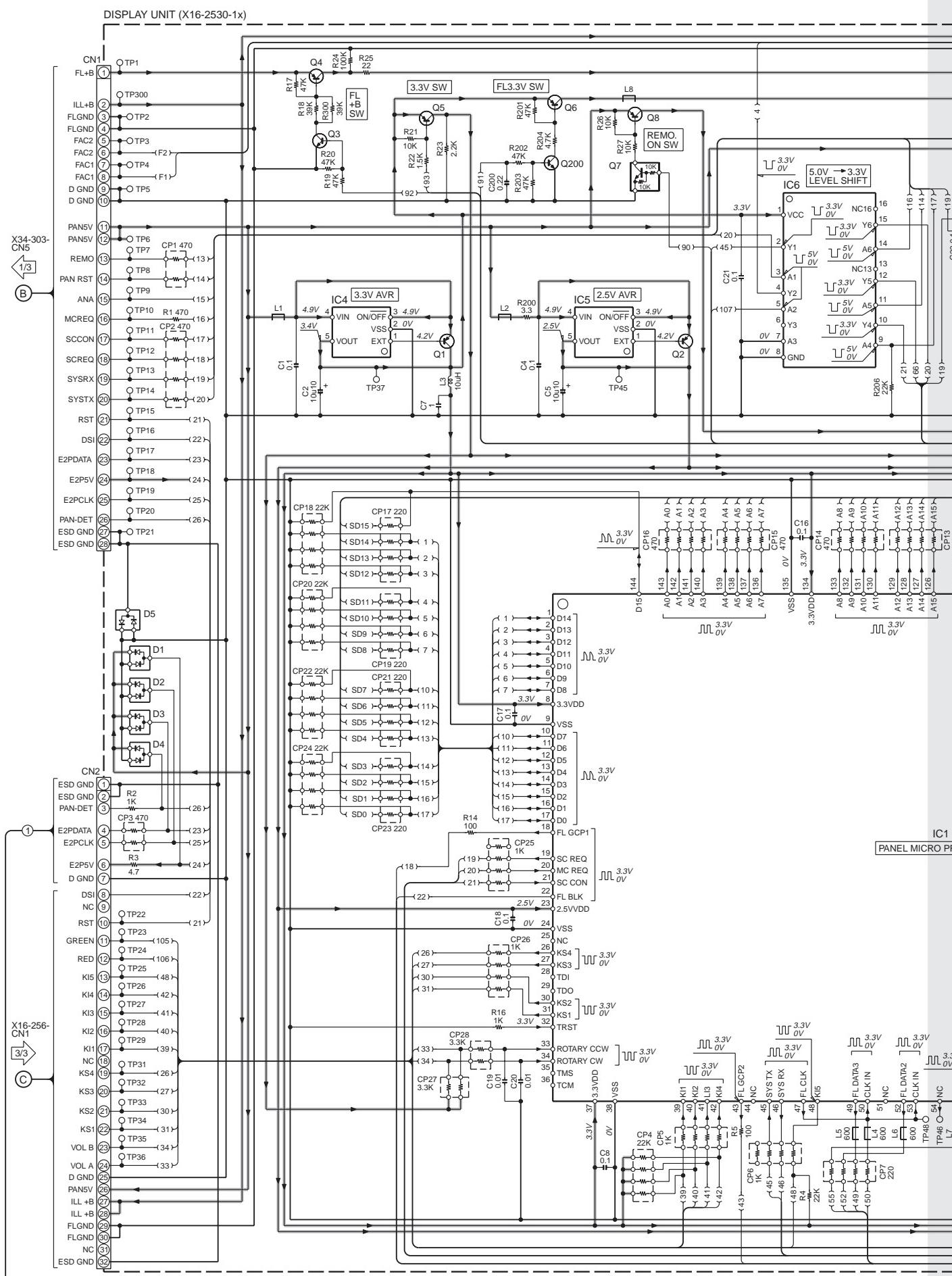


KDC-X879

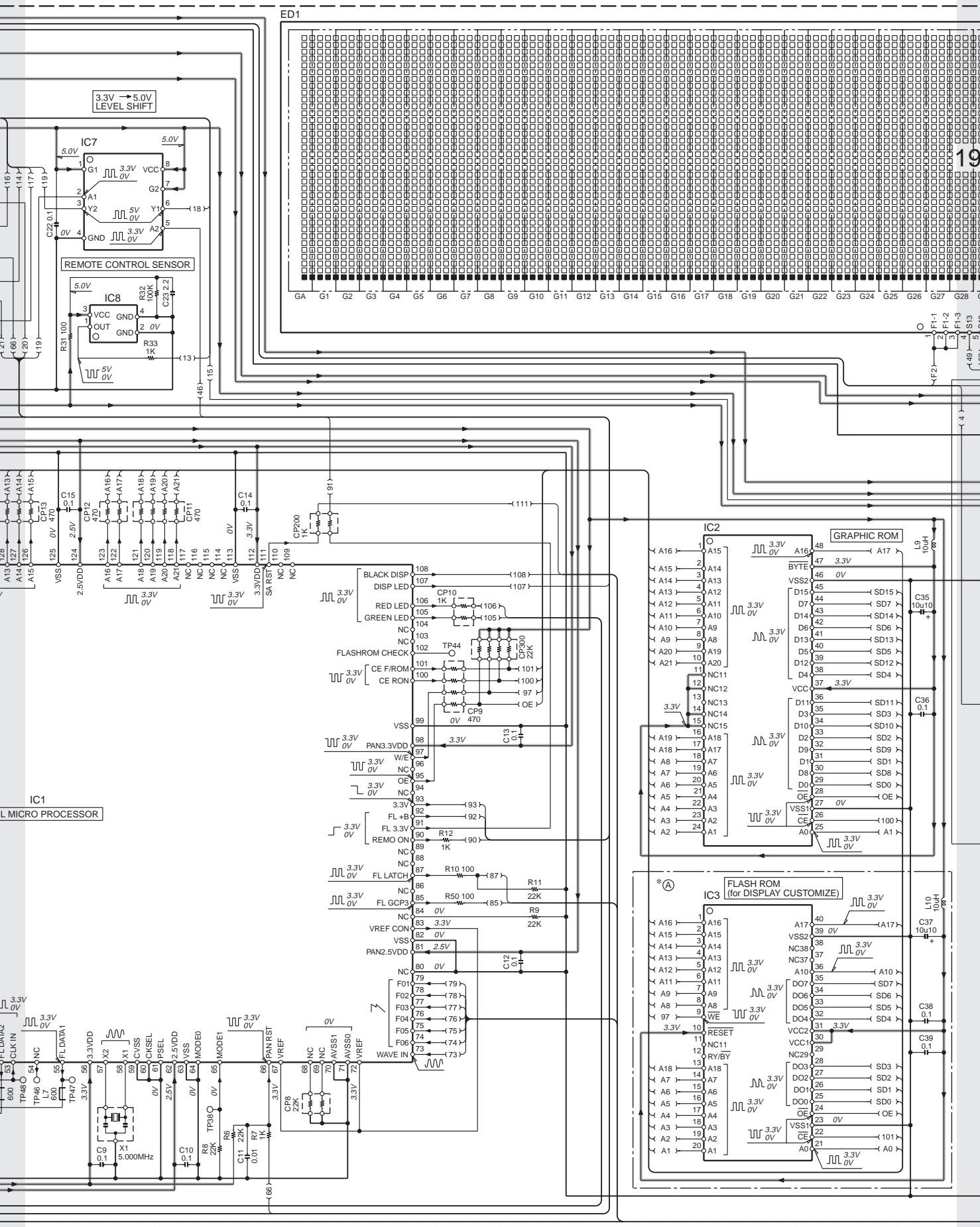


KDC-X879 (1/3)

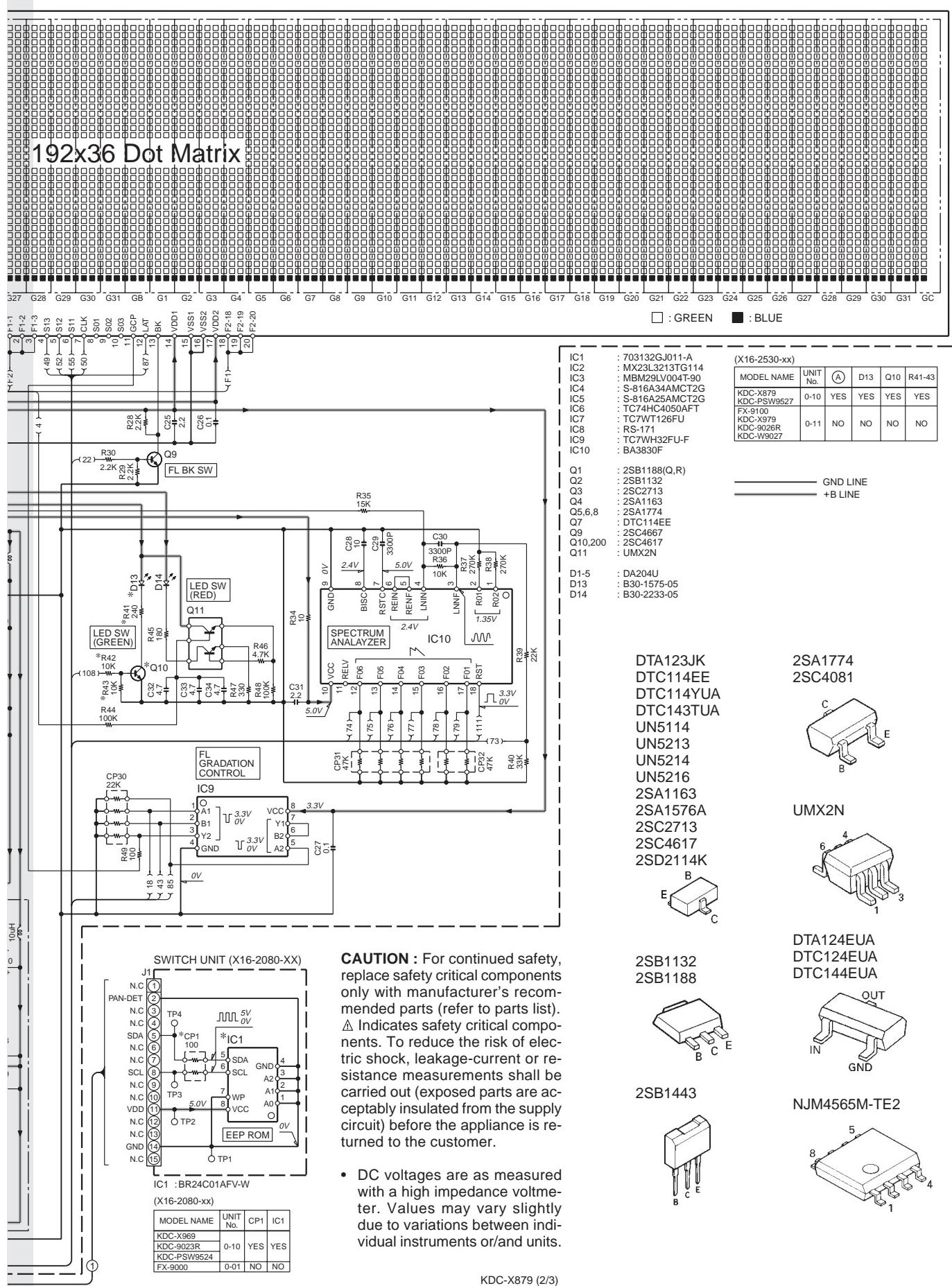
KDC-X879



KDC-X879



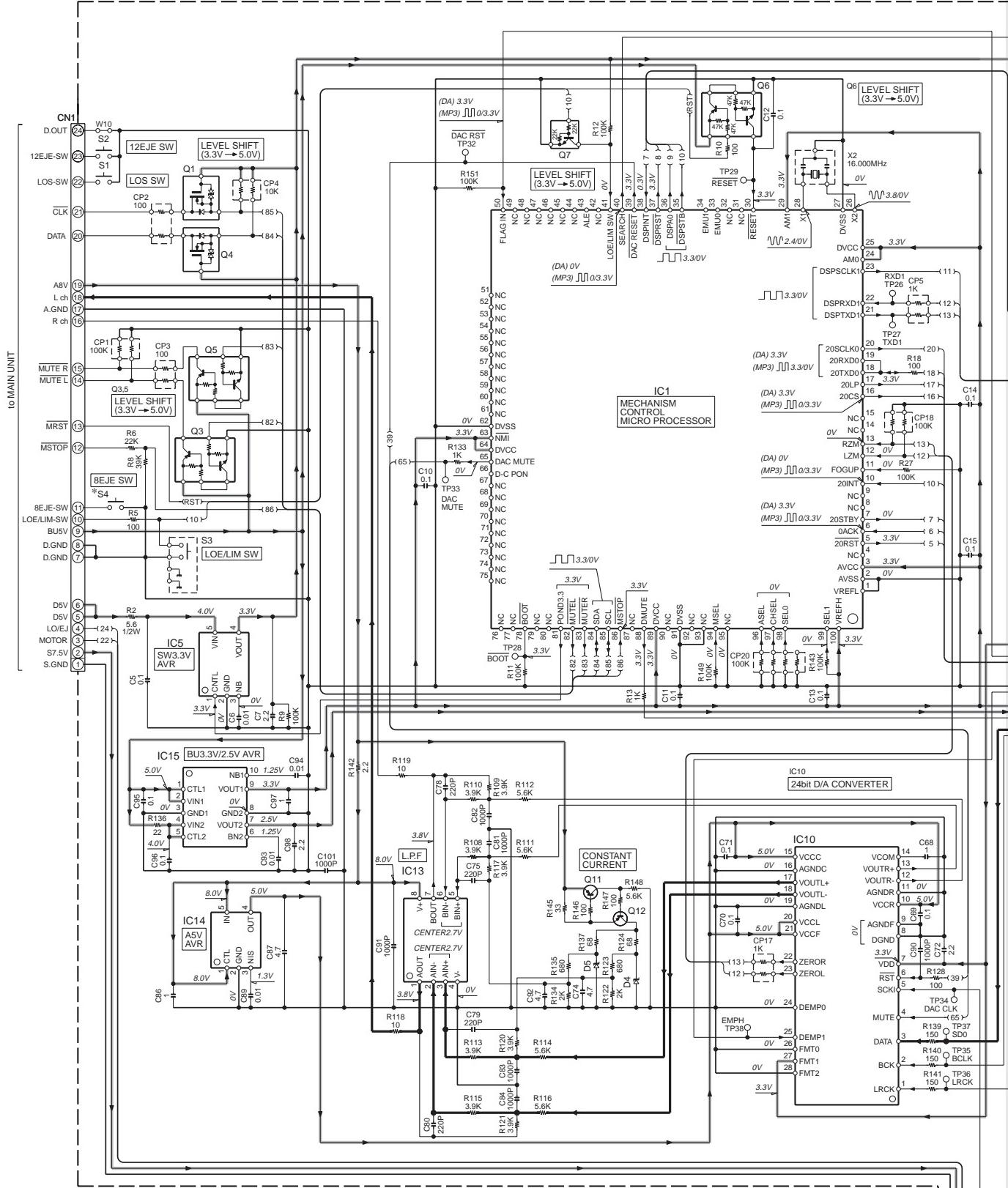
192x36 Dot Matrix



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). △ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

CD PLAYER UNIT (X32-5560-00/0-01) (X32-5590-00/0-01)



IC1 : 91CW12AFG-4FV6 IC14 : TAR5S50-F Q1,4 : 2SK3018
 IC2 : UPD63712GC IC15 : NJM2890R3325 Q3,5 : UMD9N
 IC3 : TC94A20F-010 D2 : DA204U Q6 : UMD12N
 IC4 : BA5624F-010 D3 : DAN202U Q7 : UMC124EUA
 IC5 : NJM2880U133 D4,5 : MAZS0510L Q8,11,12 : 2SB0970
 IC10 : PCM1793DB D4,5 : MAZS0510L Q9,10 : DTC114YUA
 IC13 : NJM4580V-LF

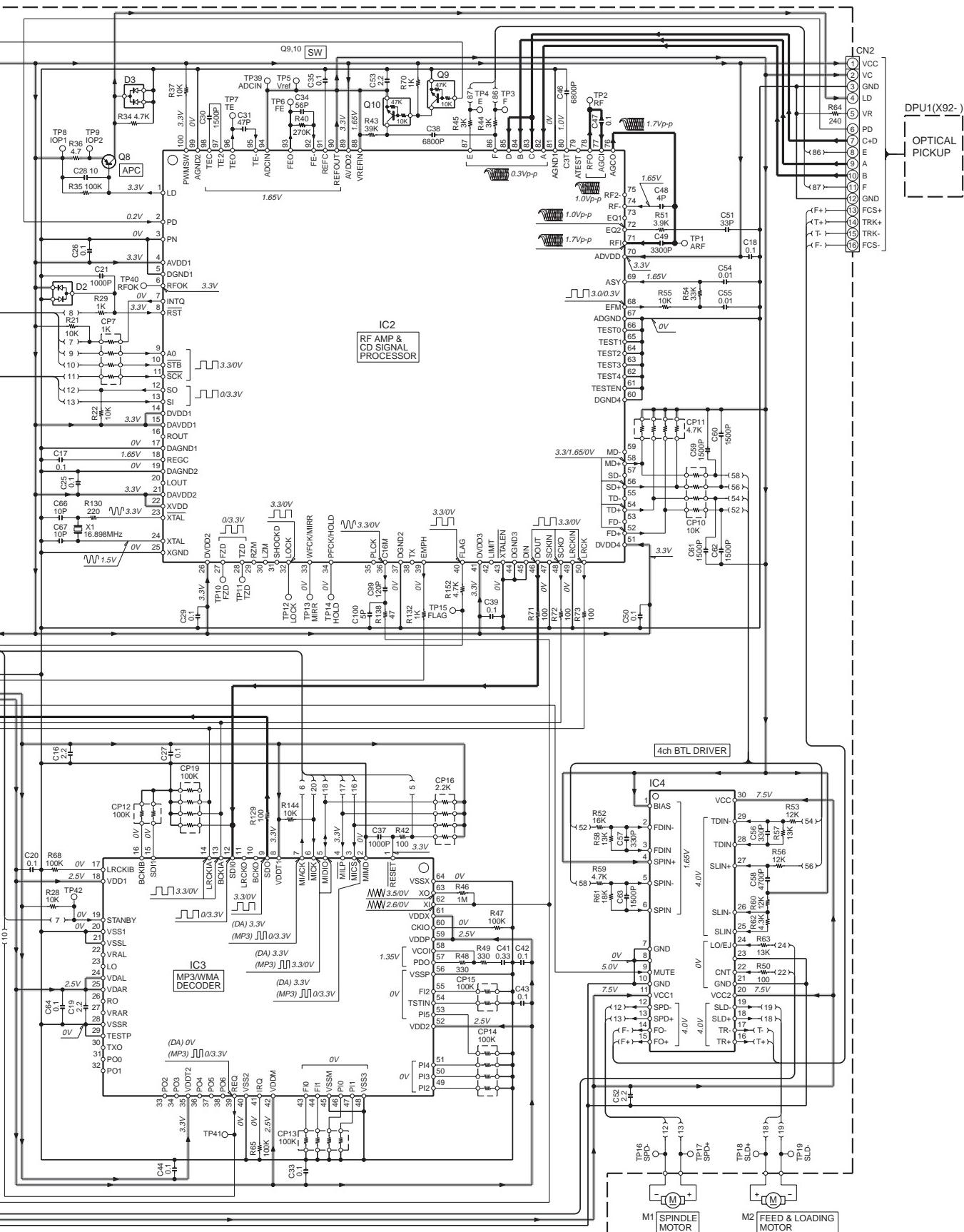
SIGNAL LINE
GND LINE
+B LINE

UNIT No.	S4
X32-5560-00	NO
X32-5590-00	YES
X32-5560-01	
X32-5590-01	

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

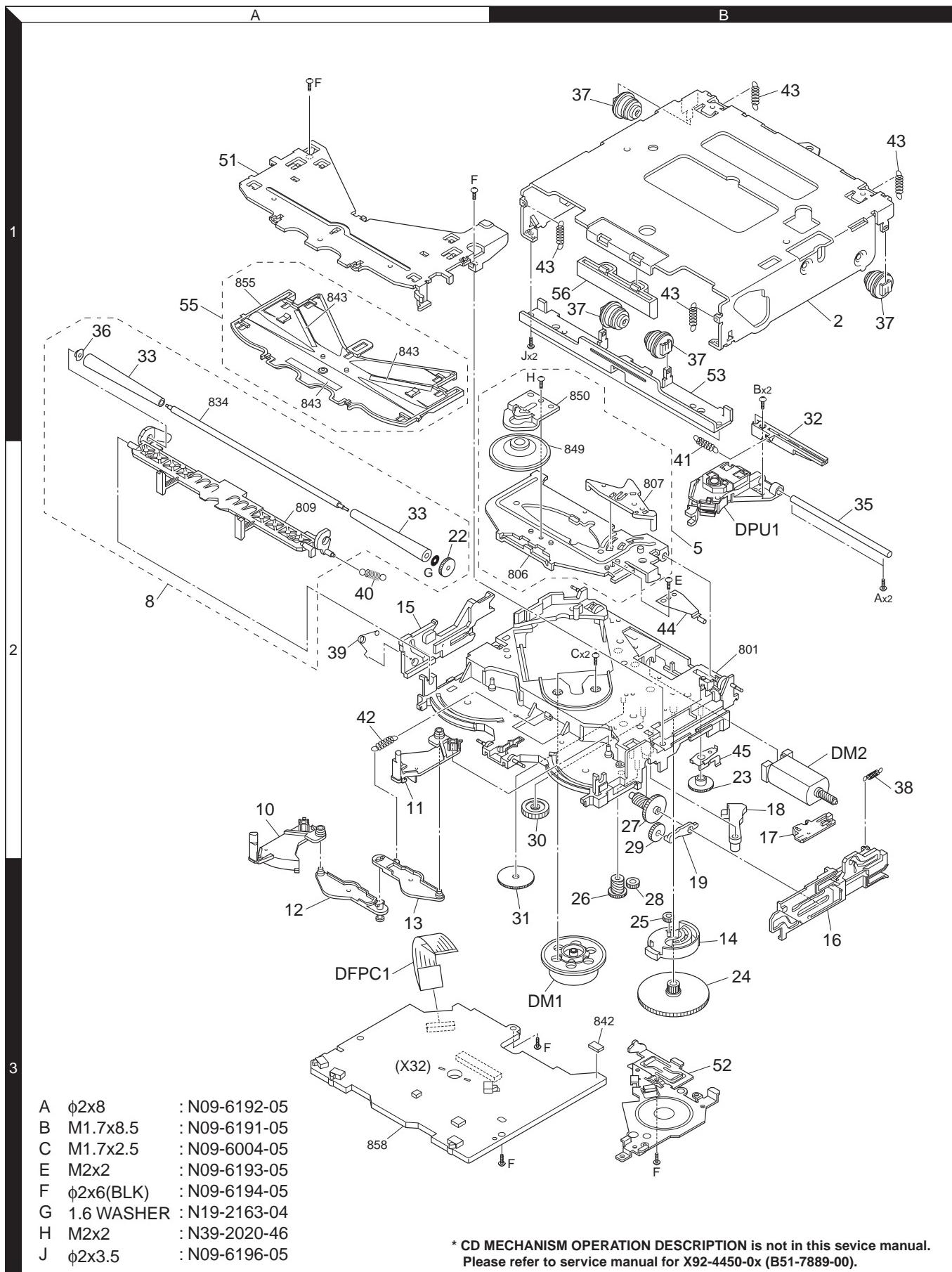
▲ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KDC-X879



- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

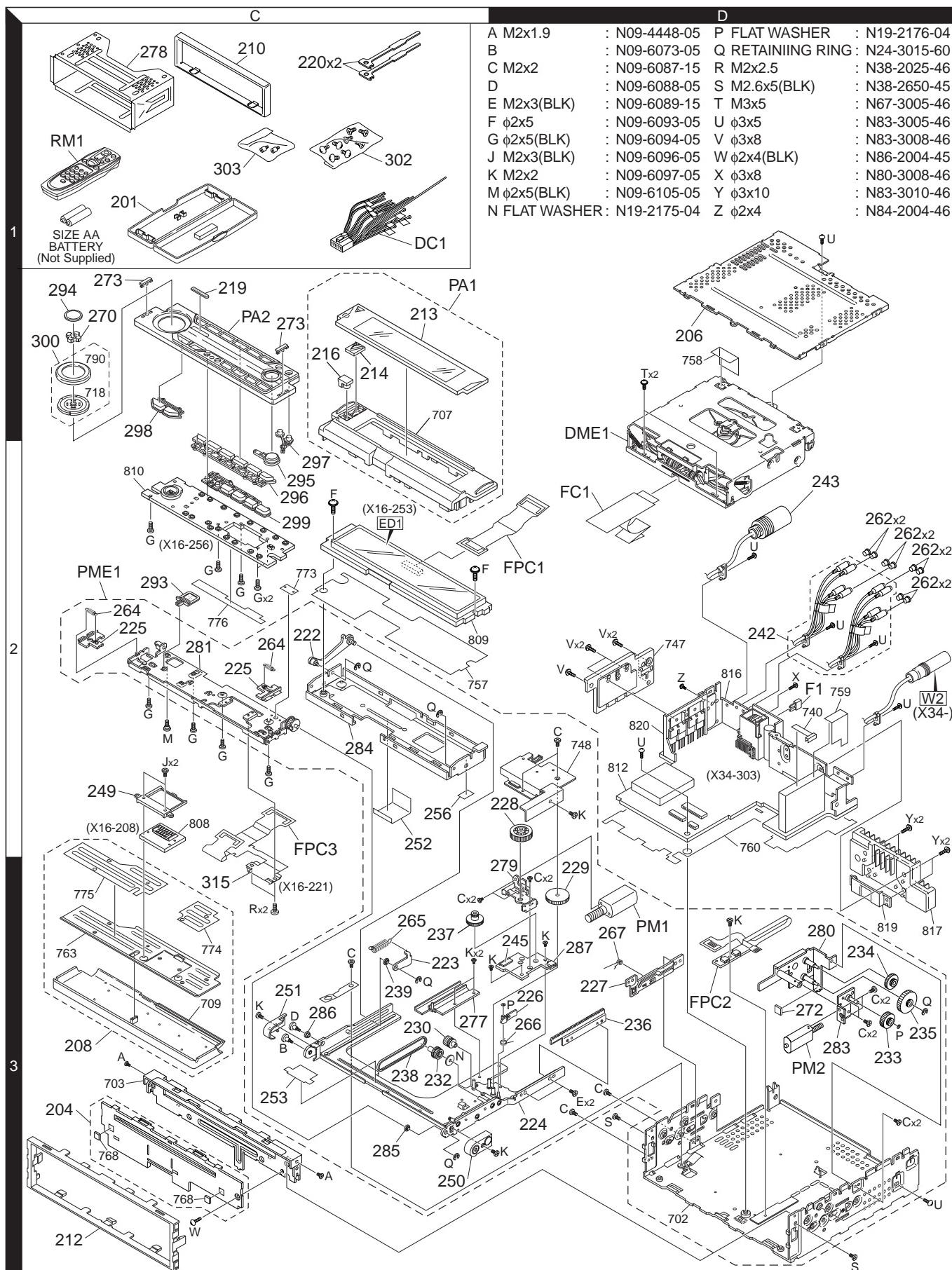
EXPLODED VIEW (MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

35

EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

* New parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
KDC-X879											
201	1C		A02-2731-13	PLASTIC CABINET ASSY		265	2C		G01-3221-04	EXTENSION SPRING	
204	3C		A22-2988-03	SUB PANEL ASSY		266	3C		G01-3189-04	TORSION COIL SPRING	
206	1D		A52-0831-02	TOP PLATE		267	3D		G01-3199-04	TORSION COIL SPRING	
PA1	1D	*	A64-3227-01	PANEL ASSY		270	2C		G11-3539-04	CUSHION	
PA2	1C	*	A64-3249-02	PANEL ASSY		272	3D		G11-3559-04	CUSHION	
PME1	2C	*	A10-5123-01	CHASSIS ASSY		273	1C		G11-3575-04	CUSHION (KEY)	
RM1	1C		A70-2040-05	REMOTE CONTROLLER ASSY (RC-505)		-			H10-4854-22	POLYSTYRENE FOAMED FIXTURE	
-			B46-0100-50	WARRANTY CARD		-			H21-1151-04	PROTECTION SHEET	
-			B46-0606-04	ID CARD		-			H25-0329-04	PROTECTION BAG (280X450X0.03)	
-			B46-0648-13	USER CARD		-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-			B64-2741-00	INST. MANUAL (ENGLISH)		-			H54-3030-03	ITEM CARTON CASE	
-			B64-2742-00	INST. MANUAL (FRE, SPA)		277	3C		J19-5220-03	HOLDER	
208	3C		B03-5016-03	DRESSING PLATE ASSY		278	1C		J21-9823-03	MOUNTING HARDWARE ASSY	
210	1C		B07-3079-01	ESCUTCHEON		279	3D		J21-9951-03	MOUNTING HARDWARE ASSY	
212	3C		B07-3080-02	ESCUTCHEON		280	3D	*	J21-9954-02	MOUNTING HARDWARE ASSY	
213	1D	*	B10-4514-01	FRONT GLASS		281	2C	*	J21-9996-32	MOUNTING HARDWARE ASSY	
214	1C	*	B12-1227-04	INDICATOR		283	3D		J21-9997-03	MOUNTING HARDWARE ASSY	
216	1C	*	B19-2248-04	LIGHTING BOARD		284	2C		J21-9999-02	MOUNTING HARDWARE ASSY	
219	1C		B43-1505-04	KENWOOD BADGE		285	3C		J31-1055-04	COLLAR	
220	1C		D10-4674-04	LEVER		286	3C		J31-1056-04	COLLAR	
222	2C		D10-4716-04	ARM ASSY		287	3D		J74-1444-14	RIGID PRINTED WIRING BOARD	
223	3C		D10-4718-04	ARM ASSY		290					
224	3D		D10-4721-21	SLIDER ASSY		293	2C		J84-0153-05	FLEXIBLE PRINTED WIRING BOARD	
225	2C		D10-4749-03	LEVER		294	1C	*	J84-0156-04	FLEXIBLE PRINTED WIRING BOARD	
226	3D		D10-4750-04	LEVER		295	1C	*	K24-4007-04	KNOB (OPEN)	
227	3D		D12-0637-03	CAM		296	1C	*	K24-4106-03	KNOB (ATT)	
228	2D		D13-2270-04	GEAR		297	2C	*	K24-4167-03	KNOB (SRC)	
229	3D		D13-2272-04	GEAR		298	1C	*	K25-1632-02	KNOB (PRESET1-6)	
230	3C		D13-2273-34	GEAR		299	2C	*	K25-1634-03	KNOB (EJECT)	
232	3C		D13-2274-24	GEAR		300	1C	*	K29-7082-03	KNOB (Q, PLAY)	
233	3D		D13-2276-04	GEAR		302	1C		N99-1723-05	KNOB (SM/AM, SKIP)	
234	3D		D13-2277-04	GEAR		303	1C		N99-1734-05	KNOB ASSY (VOL.)	
235	3D		D13-2278-04	GEAR		A	3D		N09-4448-05	SCREW SET	
236	3D		D13-2289-03	RACK (GEAR)		B	3C		N09-6073-05	SCREW SET	
237	3C		D13-2290-04	GEAR ASSY		C	3D	*	N09-6087-15	STEPPED SCREW	
238	3C		D16-0617-15	BELT		D	3C		N09-6088-05	MACHINE SCREW	
239	3C		D23-0958-04	RETAINER		E	3D	*	N09-6089-15	STEPPED SCREW	
242	2D		E30-6311-05	CORD WITH PINPLUG		F	2C		N09-6093-05	MACHINE SCREW	
243			E30-6216-05	CORD WITH DIN CONNECTOR		G	2C		N09-6094-05	TAPTRITE SCREW	
245	3D		E41-0351-05	FLAT CABLE CONNECTOR		J	2C		N09-6096-05	MACHINE SCREW	
DC1	1C		E30-6294-05	DC CORD		K	3C		N09-6097-05	MACHINE SCREW	
FC1	2D		E39-0565-05	FLAT CABLE		M	2C		N09-6105-05	STEPPED SCREW	
249	2C		F07-1121-03	COVER		N	2C		N19-2175-04	FLAT WASHER	
250	3C		F07-1122-03	COVER		P	3D		N19-2176-04	FLAT WASHER	
251	3C		F07-1123-03	COVER		Q	2C		N24-3015-60	E TYPE RETAINING RING	
252	2C		F09-1794-04	SHEET		R	3C		N38-2025-46	PAN HEAD MACHIN SCREW	
253	3C		F09-1798-04	SHEET		S	3D		N38-2650-45	PAN HEAD MACHIN SCREW	
256	2D		F09-1842-04	SHEET		T	2D		N67-3005-46	PAN HEAD SEMS SCREW	
262	2D		F29-0626-04	INSULATING COVER		U	2D		N83-3005-46	PAN HEAD TAPTRITE SCREW	
F1	2D		F52-0023-05	FUSE (MINI BLADE TYPE : 10A)		V	2D		N83-3008-46	PAN HEAD TAPTRITE SCREW	
264	2C	*	G01-3162-04	EXTENSION SPRING		W	3C		N86-2004-45	BINDING HEAD TAPTRITE SCREW	

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KDC-X879

Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation
RLED			RK73GB2A102J	CHIP R 1.0K	J	1/10W	
RPH			RK73GB2A104J	CHIP R 100K	J	1/10W	
SW1			S68-0871-05	PUSH SWITCH (PANEL MECHA)			
SW2-3			S68-0863-05	PUSH SWITCH (PANEL MECHA)			
SW4			S68-0864-05	PUSH SWITCH (PANEL MECHA)			
PH			T95-0212-05	OPTO ISOLATOR (PANEL MECHA)			
PM1	3D	*	T42-1076-14	MOTOR ASSY			
PM2	3D	*	T42-1077-24	MOTOR ASSY			
DME1	2D	*	X92-4880-00	MECHANISM ASSY (DXM-6550V)			

SUB CIRCUIT UNIT (X16-2080-10)

J1		E59-0833-15	RECTANGULAR PLUG		
CP1		R90-1019-05	MULTI-COMP	100 X2	
IC1		BR24C01AFV-W	MEMORY IC		

SUB CIRCUIT UNIT (X16-2210-10)

315	3C	E58-0968-05	RECTANGULAR RECEPTACLE		
FPC3	2C	J84-0154-05	FLEXIBLE PRINTED WIRING BOARD		

DISPLAY UNIT (X16-2530-11)

D14		B30-2233-05	LED (HR 1608)				
C1		CK73GB1C104K	CHIP C 0.10UF	K			
C1		CK73GB1H104K	CHIP C 0.10UF	K			
C2		C92-0628-05	CHIP-TAN 10UF	10WV			
C4		CK73GB1C104K	CHIP C 0.10UF	K			
C4		CK73GB1H104K	CHIP C 0.10UF	K			
C5		C92-0628-05	CHIP-TAN 10UF	10WV			
C7		CK73GB0J105K	CHIP C 1.0UF	K			
C8-10		CK73GB1C104K	CHIP C 0.10UF	K			
C8-10		CK73GB1H104K	CHIP C 0.10UF	K			
C11		CK73GB1H103K	CHIP C 0.010UF	K			
C12-18		CK73GB1C104K	CHIP C 0.10UF	K			
C12-18		CK73GB1H104K	CHIP C 0.10UF	K			
C19,20		CK73GB1H103K	CHIP C 0.010UF	K			
C21,22		CK73GB1C104K	CHIP C 0.10UF	K			
C21,22		CK73GB1H104K	CHIP C 0.10UF	K			
C23		CK73FB1A225K	CHIP C 2.2UF	K			
C25		CK73FB1A225K	CHIP C 2.2UF	K			
C26		C93-1174-05	CERAMIC 0.1UF	100WV			
C27		CK73GB1C104K	CHIP C 0.10UF	K			
C27		CK73GB1H104K	CHIP C 0.10UF	K			
C28		CK73EB0J106K	CHIP C 10UF	K			
C29,30		CK73GB1H332K	CHIP C 3300PF	K			
C31		CK73FB1A225K	CHIP C 2.2UF	K			
C32-34		CK73FB0J475K	CHIP C 4.7UF	K			
C35		C92-0628-05	CHIP-TAN 10UF	10WV			
C36		CK73GB1C104K	CHIP C 0.10UF	K			
C36		CK73GB1H104K	CHIP C 0.10UF	K			
C200		CK73GB1A224K	CHIP C 0.22UF	K			
CN1		E40-9364-05	FLAT CABLE CONNECTOR (28PIN)				
CN2		E41-0166-05	FLAT CABLE CONNECTOR (32PIN)				

Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation
L1,2			L92-0321-05	CHIP FERRITE			
L3			L40-1005-34	SMALL FIXED INDUCTOR			
L3			L40-1005-68	SMALL FIXED INDUCTOR			
L4-8			L92-0332-05	CHIP FERRITE			
L9			L40-1005-34	SMALL FIXED INDUCTOR			
L9			L40-1005-68	SMALL FIXED INDUCTOR			
X1			L78-0868-05	RESONATOR (5.00MHZ)			
CP1			R90-1022-05	MULTI-COMP 470 X2			
CP2			RK74HB1J471J	CHIP-COM 470 J 1/16W			
CP3			R90-1022-05	MULTI-COMP 470 X2			
CP4		*	RK74HB1J223J	CHIP-COM 22K J 1/16W			
CP5,6			RK74HB1J102J	CHIP-COM 1.0K J 1/16W			
CP7			RK74HB1J221J	CHIP-COM 220 J 1/16W			
CP8			R90-1020-05	MULTI-COMP 22K X2			
CP9			RK74HB1J471J	CHIP-COM 470 J 1/16W			
CP10			RK74GA1J102J	CHIP-COM 1.0K J 1/16W			
CP11			RK74HB1J471J	CHIP-COM 470 J 1/16W			
CP12			R90-1022-05	MULTI-COMP 470 X2			
CP13-16			RK74HB1J471J	CHIP-COM 470 J 1/16W			
CP17			RK74HB1J221J	CHIP-COM 220 J 1/16W			
CP18		*	RK74HB1J223J	CHIP-COM 22K J 1/16W			
CP19			RK74HB1J221J	CHIP-COM 220 J 1/16W			
CP20		*	RK74HB1J223J	CHIP-COM 22K J 1/16W			
CP21			RK74HB1J221J	CHIP-COM 220 J 1/16W			
CP22		*	RK74HB1J223J	CHIP-COM 22K J 1/16W			
CP23			RK74HB1J221J	CHIP-COM 220 J 1/16W			
CP24		*	RK74HB1J223J	CHIP-COM 22K J 1/16W			
CP25,26			RK74HB1J102J	CHIP-COM 1.0K J 1/16W			
CP27,28			R90-1021-05	MULTI-COMP 3.3K X2			
CP30		*	RK74HB1J223J	CHIP-COM 22K J 1/16W			
CP31			RK74HB1J473J	CHIP-COM 47K J 1/16W			
CP32			R90-0723-05	MULTI-COMP 47K X2			
CP200			RK74GA1J102J	CHIP-COM 1.0K J 1/16W			
CP300		*	RK74HB1J223J	CHIP-COM 22K J 1/16W			
R1			RK73GB2A471J	CHIP R 470 J 1/10W			
R2			RK73GB2A102J	CHIP R 1.0K J 1/10W			
R3			RK73GB2A4R7J	CHIP R 4.7 J 1/10W			
R4			RK73GB2A223J	CHIP R 22K J 1/10W			
R5			RK73GB2A101J	CHIP R 100 J 1/10W			
R6			RK73GB2A223J	CHIP R 22K J 1/10W			
R7			RK73GB2A102J	CHIP R 1.0K J 1/10W			
R8,9			RK73GB2A223J	CHIP R 22K J 1/10W			
R10			RK73GB2A101J	CHIP R 100 J 1/10W			
R11			RK73GB2A223J	CHIP R 22K J 1/10W			
R12			RK73GB2A102J	CHIP R 1.0K J 1/10W			
R14			RK73GB2A101J	CHIP R 100 J 1/10W			
R16			RK73GB2A102J	CHIP R 1.0K J 1/10W			
R17			RK73GB2A473J	CHIP R 47K J 1/10W			
R18			RK73GB2A393J	CHIP R 39K J 1/10W			
R19,20			RK73GB2A473J	CHIP R 47K J 1/10W			
R21			RK73GB2A103J	CHIP R 10K J 1/10W			
R22			RK73GB2A152J	CHIP R 1.5K J 1/10W			
R23			RK73GB2A222J	CHIP R 2.2K J 1/10W			
R24			RK73GB2A104J	CHIP R 100K J 1/10W			

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DISPLAY UNIT (X16-2530-11)

Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation
R25			RK73GB2A220J	CHIP R	22	J	1/10W	R1,2			RK73FB2B471J	CHIP R	470	J	1/8W
R26,27			RK73GB2A103J	CHIP R	10K	J	1/10W	R3,4			RK73FB2B301J	CHIP R	300	J	1/8W
R28-30			RK73GB2A222J	CHIP R	2.2K	J	1/10W	R5			RK73FB2B471J	CHIP R	470	J	1/8W
R31			RK73GB2A101J	CHIP R	100	J	1/10W	R6-10			RK73FB2B181J	CHIP R	180	J	1/8W
R32			RK73GB2A104J	CHIP R	100K	J	1/10W	R11			RK73GB2A241J	CHIP R	240	J	1/10W
R33			RK73GB2A102J	CHIP R	1.0K	J	1/10W	R12			RK73GB2A332J	CHIP R	3.3K	J	1/10W
R34			RK73GB2A100J	CHIP R	10	J	1/10W	R13			RK73GB2A103J	CHIP R	10K	J	1/10W
R35			RK73GB2A153J	CHIP R	15K	J	1/10W	R14			RK73GB2A332J	CHIP R	3.3K	J	1/10W
R36			RK73GB2A103J	CHIP R	10K	J	1/10W	R15			RK73GB2A103J	CHIP R	10K	J	1/10W
R37,38			RK73GB2A274J	CHIP R	270K	J	1/10W	R16			RK73GB2A222J	CHIP R	2.2K	J	1/10W
R39			RK73GB2A223J	CHIP R	22K	J	1/10W	R17			RK73GB2A103J	CHIP R	10K	J	1/10W
R40			RK73GB2A333J	CHIP R	33K	J	1/10W	S1	*		S70-0901-05	TACT SWITCH			
R44			RK73GB2A104J	CHIP R	100K	J	1/10W	S2-9	*		S70-0912-05	TACT SWITCH			
R45			RK73GB2A181J	CHIP R	180	J	1/10W	S10	*		S70-0901-05	TACT SWITCH			
R46			RK73GB2A472J	CHIP R	4.7K	J	1/10W	S11-20	*		S70-0912-05	TACT SWITCH			
R47			RK73GB2A331J	CHIP R	330	J	1/10W	S21			T99-0445-05	ROTARY ENCODER			
R48			RK73GB2A104J	CHIP R	100K	J	1/10W	D25			DAN222	DIODE			
R49,50		*	RK73GB2A101J	CHIP R	100	J	1/10W	Q1			DTA114YUA	DIGITAL TRANSISTOR			
R200		*	RK73EB2E3R3J	CHIP R	3.3	J	1/4W	Q1			UN5114	DIGITAL TRANSISTOR			
R201-203		*	RK73GB2A473J	CHIP R	47K	J	1/10W	Q2-4			2SD2114K	TRANSISTOR			
R204			RK73GB2A472J	CHIP R	4.7K	J	1/10W	CD PLAYER UNIT (X32-5590-00)							
R206			RK73GB2A223J	CHIP R	22K	J	1/10W	C5			CK73GB1C104K	CHIP C	0.10UF	K	
R300			RK73GB2A393J	CHIP R	39K	J	1/10W	C6			CK73GB1H103K	CHIP C	0.010UF	K	
D1-5			DA204U	DIODE			C7			CK73FB1A225K	CHIP C	2.2UF	K		
ED1	*		MN19236A	FLUORESCENT INDICATOR TUBE			C10-15			CK73GB1C104K	CHIP C	0.10UF	K		
IC1	*		703132GJ011-A	MICROCONTROLLER IC			C16			CK73FB1A225K	CHIP C	2.2UF	K		
IC2	*		MX23L3213TG114	ROM IC			C17,18			CK73GB1C104K	CHIP C	0.10UF	K		
IC4	*		S-816A34AMCT2G	ANALOGUE IC			C19			CK73FB1A225K	CHIP C	2.2UF	K		
IC5	*		S-816A25AMCT2G	ANALOGUE IC			C20			CK73GB1C104K	CHIP C	0.10UF	K		
IC6			TC74HC4050AFT	MOS-IC			C21			CK73GB1H102K	CHIP C	1000PF	K		
IC7			TC7W7126FU	MOS-IC			C25-27			CK73GB1C104K	CHIP C	0.10UF	K		
IC8			RS-171	ANALOGUE IC			C28			CK73FB0J106M	CHIP C	10UF	M		
IC9	*		TC7WH32FU-F	MOS-IC			C29			CK73GB1C104K	CHIP C	0.10UF	K		
IC10			BA3830F	ANALOGUE IC			C30			CK73GB1H152K	CHIP C	1500PF	K		
Q1			2SB1188(Q,R)	TRANSISTOR			C31			CC73GCH1H470J	CHIP C	47PF	J		
Q2			2SB1132	TRANSISTOR			C33			CK73GB1C104K	CHIP C	0.10UF	K		
Q3			2SC2713	TRANSISTOR			C34			CC73GCH1H560J	CHIP C	56PF	J		
Q4			2SA1163	TRANSISTOR			C35			CK73GB1C104K	CHIP C	0.10UF	K		
Q5,6			2SA1774	TRANSISTOR			C37			CK73GB1H102K	CHIP C	1000PF	K		
Q7			DTC114EE	DIGITAL TRANSISTOR			C38			CK73GB1H682K	CHIP C	6800PF	K		
Q8			2SA1774	TRANSISTOR			C39			CK73GB1C104K	CHIP C	0.10UF	K		
Q9			2SC4667	TRANSISTOR			C41			CK73GB1A334K	CHIP C	0.33UF	K		
Q11			UMX2N	TRANSISTOR			C42-44			CK73GB1C104K	CHIP C	0.10UF	K		
Q200			2SC4617	TRANSISTOR			C46			CK73GB1H682K	CHIP C	6800PF	K		
SWITCH UNIT (X16-2560-10)															
D1-10			B30-1605-05	LED (2COLOR PG/RED)			C47			CK73GB1C104K	CHIP C	0.10UF	K		
D11-15			B30-1564-05	LED (1608,BLUE)			C48			CC73GCH1H040C	CHIP C	4.0PF	C		
D17-22			B30-1564-05	LED (1608,BLUE)			C49			CK73GB1H332K	CHIP C	3300PF	K		
D24			B30-1566-05	LED (1608,RED)			C50			CK73GB1C104K	CHIP C	0.10UF	K		
C1-5			CK73GB1H103K	CHIP C	0.010UF	K	C51			CC73GCH1H330J	CHIP C	33PF	J		
C7-12			CK73GB1H103K	CHIP C	0.010UF	K	C52,53			CK73FB1A225K	CHIP C	2.2UF	K		
CN1			E41-0419-05	FLAT CABLE CONNECTOR (24PIN)			C54,55			CK73GB1H103K	CHIP C	0.010UF	K		
							C56,57			CK73GB1H331K	CHIP C	330PF	K		
							C58			CK73GB1H472K	CHIP C	4700PF	K		

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CD PLAYER UNIT (X32-5590-00)

Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation
C59-63			CK73GB1H152K	CHIP C	1500PF	K	
C64			CK73GB1C104K	CHIP C	0.10UF	K	
C66,67			CC73GCH1H100D	CHIP C	10PF	D	
C68			CK73GB0J105K	CHIP C	1.0UF	K	
C69-71			CK73GB1C104K	CHIP C	0.10UF	K	
C72			CK73FB1A225K	CHIP C	2.2UF	K	
C74			CK73FB0J475K	CHIP C	4.7UF	K	
C75			CC73GCH1H221J	CHIP C	220PF	J	
C78-80			CC73GCH1H221J	CHIP C	220PF	J	
C81-84			CC73GCH1H102J	CHIP C	1000PF	J	
C86			CK73GB1A105K	CHIP C	1.0UF	K	
C87			CK73FB0J475K	CHIP C	4.7UF	K	
C89			CK73GB1H103K	CHIP C	0.010UF	K	
C90			CK73GB1H102K	CHIP C	1000PF	K	
C91			CC73GCH1H102J	CHIP C	1000PF	J	
C92			CK73FB0J475K	CHIP C	4.7UF	K	
C93,94			CK73GB1H103K	CHIP C	0.010UF	K	
C95,96			CK73GB1C104K	CHIP C	0.10UF	K	
C97			CK73GB0J105K	CHIP C	1.0UF	K	
C98			CK73FB1A225K	CHIP C	2.2UF	K	
C99			CC73GCH1H121J	CHIP C	120PF	J	
C100			CC73GCH1H050C	CHIP C	5.0PF	C	
C101			CK73GB1H102K	CHIP C	1000PF	K	
CN1			E41-2083-05	FLAT CABLE CONNECTOR (24PIN)			
CN2			E41-2068-05	FLAT CABLE CONNECTOR (16PIN)			
CN2			E41-2085-05	FLAT CABLE CONNECTOR (16PIN)			
X1			L77-2863-05	CRYSTAL RESONATOR (16.899M)			
X2			L78-0896-05	RESONATOR (16.00MHZ)			
CP1			RK74GA1J104J	CHIP-COM	100K	J	1/16W
CP2,3			RK74GA1J101J	CHIP-COM	100	J	1/16W
CP4			RK74GA1J103J	CHIP-COM	10K	J	1/16W
CP5			RK74GA1J102J	CHIP-COM	1.0K	J	1/16W
CP7			RK74GB1J102J	CHIP-COM	1.0K	J	1/16W
CP10			RK74GB1J103J	CHIP-COM	10K	J	1/16W
CP11			RK74GB1J472J	CHIP-COM	4.7K	J	1/16W
CP12			RK74GA1J104J	CHIP-COM	100K	J	1/16W
CP13,14			RK74GB1J104J	CHIP-COM	100K	J	1/16W
CP15			RK74GA1J104J	CHIP-COM	100K	J	1/16W
CP16			RK74GB1J222J	CHIP-COM	2.2K	J	1/16W
CP17			RK74GA1J102J	CHIP-COM	1.0K	J	1/16W
CP18			RK74GA1J104J	CHIP-COM	100K	J	1/16W
CP19,20			RK74GB1J104J	CHIP-COM	100K	J	1/16W
R2			R92-3494-05	CHIP R	5.6	J	1/2W
R5			RK73GB2A101J	CHIP R	100	J	1/10W
R6			RK73GH2A223D	CHIP R	22K	D	1/10W
R8			RK73GH2A393D	CHIP R	39K	D	1/10W
R9			RK73GB2A104J	CHIP R	100K	J	1/10W
R10			RK73GB2A101J	CHIP R	100	J	1/10W
R11,12			RK73GB2A104J	CHIP R	100K	J	1/10W
R13			RK73GB2A102J	CHIP R	1.0K	J	1/10W
R18			RK73GB2A101J	CHIP R	100	J	1/10W
R21,22			RK73GB2A103J	CHIP R	10K	J	1/10W
R27			RK73GB2A104J	CHIP R	100K	J	1/10W

Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation
R28			RK73GB2A103J	CHIP R	10K	J	1/10W
R29			RK73GB2A102J	CHIP R	1.0K	J	1/10W
R34			RK73GB2A472J	CHIP R	4.7K	J	1/10W
R35			RK73GB2A104J	CHIP R	100K	J	1/10W
R36			RK73FB2B4R7J	CHIP R	4.7	J	1/8W
R37			RK73GB2A103J	CHIP R	10K	J	1/10W
R40			RK73GB2A274J	CHIP R	270K	J	1/10W
R42			RK73GB2A101J	CHIP R	100	J	1/10W
R43			RK73GB2A393J	CHIP R	39K	J	1/10W
R44,45			RK73GB2A302J	CHIP R	3.0K	J	1/10W
R46			RK73GB2A105J	CHIP R	1.0M	J	1/10W
R47			RK73GB2A104J	CHIP R	100K	J	1/10W
R48,49			RK73GB2A331J	CHIP R	330	J	1/10W
R50			RK73GB2A101J	CHIP R	100	J	1/10W
R51			RK73GB2A392J	CHIP R	3.9K	J	1/10W
R52			RK73GB2A163J	CHIP R	16K	J	1/10W
R53			RK73GB2A123J	CHIP R	12K	J	1/10W
R54			RK73GB2A333J	CHIP R	33K	J	1/10W
R55			RK73GB2A103J	CHIP R	10K	J	1/10W
R56			RK73GB2A123J	CHIP R	12K	J	1/10W
R57,58			RK73GB2A133J	CHIP R	13K	J	1/10W
R59			RK73GB2A472J	CHIP R	4.7K	J	1/10W
R60			RK73GB2A123J	CHIP R	12K	J	1/10W
R61			RK73GB2A183J	CHIP R	18K	J	1/10W
R62			RK73GB2A432J	CHIP R	4.3K	J	1/10W
R63			RK73GB2A133J	CHIP R	13K	J	1/10W
R64			RK73GB2A241J	CHIP R	240	J	1/10W
R65			RK73GB2A104J	CHIP R	100K	J	1/10W
R68			RK73GB2A104J	CHIP R	100K	J	1/10W
R70			RK73GB2A102J	CHIP R	1.0K	J	1/10W
R71-73			RK73GB2A101J	CHIP R	100	J	1/10W
R108-110			RK73GH2A392D	CHIP R	3.9K	D	1/10W
R111,112			RK73GH2A562D	CHIP R	5.6K	D	1/10W
R113			RK73GH2A392D	CHIP R	3.9K	D	1/10W
R114			RK73GH2A562D	CHIP R	5.6K	D	1/10W
R115			RK73GH2A392D	CHIP R	3.9K	D	1/10W
R116			RK73GH2A562D	CHIP R	5.6K	D	1/10W
R117			RK73GH2A392D	CHIP R	3.9K	D	1/10W
R118,119			RK73GH2A100D	CHIP R	10	D	1/10W
R120,121			RK73GH2A392D	CHIP R	3.9K	D	1/10W
R122			RK73GH2A202D	CHIP R	2.0K	D	1/10W
R123			RK73GH2A681D	CHIP R	680	D	1/10W
R124			RK73GB2A680J	CHIP R	68	J	1/10W
R128,129			RK73GB2A101J	CHIP R	100	J	1/10W
R130			RK73GB2A221J	CHIP R	220	J	1/10W
R132,133			RK73GB2A102J	CHIP R	1.0K	J	1/10W
R134			RK73GH2A202D	CHIP R	2.0K	D	1/10W
R135			RK73GH2A681D	CHIP R	680	D	1/10W
R136			RK73EB2E220J	CHIP R	22	J	1/4W
R137			RK73GB2A680J	CHIP R	68	J	1/10W
R138			RK73GB2A470J	CHIP R	47	J	1/10W
R139-141			RK73GH2A151D	CHIP R	150	D	1/10W
R142			RK73GB2A2R2J	CHIP R	2.2	J	1/10W
R143			RK73GB2A104J	CHIP R	100K	J	1/10W
R144			RK73GB2A103J	CHIP R	10K	J	1/10W

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PARTS LIST

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CD PLAYER UNIT (X32-5590-00)

Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation
R145			RK73GH2A330D	CHIP R	33	D	1/10W	C31			C90-2962-05	ELECTRO	100UF	16WV	
R146,147			RK73GB2A101J	CHIP R	100	J	1/10W	C32-35			CK73EB1C225K	CHIP C	2.2UF	K	
R148			RK73GB2A562J	CHIP R	5.6K	J	1/10W	C36			C94-0040-05	ELECTRO	22UF	16WV	
R149			RK73GB2A104J	CHIP R	100K	J	1/10W	C37			CK73GB1E223K	CHIP C	0.022UF	K	
R151			RK73GB2A104J	CHIP R	100K	J	1/10W	C37			CK73GB1H223K	CHIP C	0.022UF	K	
R152			RK73GB2A472J	CHIP R	4.7K	J	1/10W	C38			CK73GB1H103K	CHIP C	0.010UF	K	
W10			R92-1252-05	CHIP R	0 OHM	J	1/16W	C39,40			CK73EB1C225K	CHIP C	2.2UF	K	
S1,2			S68-0863-05	PUSH SWITCH				C41			CK73GB1H103K	CHIP C	0.010UF	K	
S3			S68-0862-05	PUSH SWITCH				C42			CK73GB1E223K	CHIP C	0.022UF	K	
D2			DA204U	DIODE				C42			CK73GB1H223K	CHIP C	0.022UF	K	
D3			DAN202U	DIODE				C43			CK73FB1C105K	CHIP C	1.0UF	K	
D4,5			MAZS0510L	ZENER DIODE				C44,45			CK73GB1H103K	CHIP C	0.010UF	K	
IC1			91CW12AFG-4VF6	MICROCONTROLLER IC				C46			CK73GB1H102K	CHIP C	1000PF	K	
IC2			UPD63712GC	MOS-IC				C47			CK73FB1C105K	CHIP C	1.0UF	K	
IC3			TC94A20F-010	MOS-IC				C48			CK73GB1H103K	CHIP C	0.010UF	K	
IC4			BA5824FP	ANALOGUE IC				C100	*		C90-5626-05	ELECTRO	3900UF	16WV	
IC5			NJM2880U133	ANALOGUE IC				C101			C94-0032-05	ELECTRO	47UF	6.3WV	
IC5			NJM2880U33	ANALOGUE IC				C102			CC73GCH1H220J	CHIP C	22PF	J	
IC10			PCM1793DB	MOS-IC				C103			CC73GCH1H270J	CHIP C	27PF	J	
IC13			NJM4580V-LF	ANALOGUE IC				C104			CK73GB0J105K	CHIP C	1.0UF	K	
IC14			TAR5S50-F	ANALOGUE IC				C106			CK73GB1H103K	CHIP C	0.010UF	K	
IC15			NJM2890R3325	ANALOGUE IC				C107			CK73GB1H102K	CHIP C	1000PF	K	
Q1			2SK3018	FET				C109			CK73GB1H103K	CHIP C	0.010UF	K	
Q3			UMD9N	TRANSISTOR				C110,111			CK73GB1C104K	CHIP C	0.10UF	K	
Q4			2SK3018	FET				C199			CK73GB1H104K	CHIP C	0.10UF	K	
Q5			UMD9N	TRANSISTOR				C201,202			C94-0161-05	ELECTRO	0.47UF	50WV	
Q6			UMD12N	TRANSISTOR				C203,204			CK73FB1C474K	CHIP C	0.47UF	K	
Q7			DTC124EUA	DIGITAL TRANSISTOR				C205,206			C94-0032-05	ELECTRO	47UF	6.3WV	
Q8			2SB0970	TRANSISTOR				C207,208			CK73FB1C474K	CHIP C	0.47UF	K	
Q9,10			DTC114YUA	DIGITAL TRANSISTOR				C209			CK73GB1E223K	CHIP C	0.022UF	K	
Q11,12			2SB0970	TRANSISTOR				C209			CK73GB1H223K	CHIP C	0.022UF	K	
ELECTRIC UNIT (X34-3030-11)								C210			CK73GB1H103K	CHIP C	0.010UF	K	
C2			CK73GB1H103K	CHIP C	0.010UF	K		C211			CK73GB1A474K	CHIP C	0.47UF	K	
C3	*		C90-5619-05	ELECTRO	220UF		16WV	C212			CC73GCH1H151J	CHIP C	150PF	J	
C4			CK73GB1H103K	CHIP C	0.010UF	K		C213			CK73GB1C104K	CHIP C	0.10UF	K	
C5			C94-0039-05	ELECTRO	10UF		16WV	C213			CK73GB1H104K	CHIP C	0.10UF	K	
C6			C94-0033-05	ELECTRO	100UF		6.3WV	C214			CK73GB1H103K	CHIP C	0.010UF	K	
C7			CK73FB1C105K	CHIP C	1.0UF	K		C215			C94-0042-05	ELECTRO	47UF	16WV	
C8	*		C94-0188-05	ELECTRO	220UF		10WV	C216-223			CK73FB1C105K	CHIP C	1.0UF	K	
C9	*		C94-0186-05	ELECTRO	100UF		10WV	C224			CK73GB1C104K	CHIP C	0.10UF	K	
C10			CE32AZ1E221M	CHIP EL	220UF		25WV	C224			CK73GB1H104K	CHIP C	0.10UF	K	
C11			CK73GB1H332K	CHIP C	3300PF	K		C225			CK73GB1H103K	CHIP C	0.010UF	K	
C12			CE32AZ1C221M	CHIP EL	220UF		16WV	C226-231			CK73GB1E473K	CHIP C	0.047UF	K	
C13			CK73GB0J105K	CHIP C	1.0UF	K		C226-231			CK73GB1H473K	CHIP C	0.047UF	K	
C14			CK73EB1C225K	CHIP C	2.2UF	K		C232			CK73FB1C105K	CHIP C	1.0UF	K	
C15			CK73GB1H103K	CHIP C	0.010UF	K		C233			C92-0667-05	ELECTRO	10UF	10WV	
C16			CE32AZ1C101M	CHIP EL	100UF		16WV	C234			CK73GB1E333K	CHIP C	0.033UF	K	
C17			CK73GB1H103K	CHIP C	0.010UF	K		C235			CK73GB1H333K	CHIP C	0.033UF	K	
C18			CE32AZ1C101M	CHIP EL	100UF		16WV	C236			CK73GB1H103K	CHIP C	0.010UF	K	
C21			CK73FB1A225K	CHIP C	2.2UF	K		C237			CK73GB1A334K	CHIP C	0.33UF	K	
C22			C93-1218-05	CHIP C	0.010UF	K		C238			CK73GB1A474K	CHIP C	0.47UF	K	
C23			C90-5375-05	ELECTRO	33UF		63WV	C239			CC73GCH1H221J	CHIP C	220PF	J	
C30			C94-0044-05	ELECTRO	4.7UF		25WV	C240,241			CK73GB1H103K	CHIP C	0.010UF	K	
											C92-0667-05	ELECTRO	10UF	10WV	

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PARTS LIST

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ELECTRIC UNIT (X34-3030-11)

Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation
C250			CE32AT1H2R2M	CHIP EL	2.2UF	50WV		L2			L33-1126-05	CHOKE COIL			
C251			CK73FB1C334K	CHIP C	0.33UF	K		L3			L33-1029-05	SMALL FIXED INDUCTOR			
C252			CK73GB1A334K	CHIP C	0.33UF	K		L4			L40-2205-34	SMALL FIXED INDUCTOR (22UH)			
C253			CK73FB1C334K	CHIP C	0.33UF	K		L7			L33-1039-05	LINE FILTER COIL			
C254			CK73GB1A334K	CHIP C	0.33UF	K		L101			L40-4795-34	SMALL FIXED INDUCTOR			
C255			CK73FB1C334K	CHIP C	0.33UF	K		L101			L40-4795-68	SMALL FIXED INDUCTOR (4.7UH)			
C256			CK73GB1A334K	CHIP C	0.33UF	K		L102			L92-0075-05	CHIP FERRITE			
C257			CK73FB1C334K	CHIP C	0.33UF	K		L201			L40-4795-34	SMALL FIXED INDUCTOR			
C258			CK73GB1A334K	CHIP C	0.33UF	K		L201			L40-4795-68	SMALL FIXED INDUCTOR (4.7UH)			
C259			CE32AT1H010M	CHIP EL	1.0UF	50WV		L303-307			L40-4795-34	SMALL FIXED INDUCTOR			
C260-263			CK73GB1C104K	CHIP C	0.10UF	K		L303-307			L40-4795-68	SMALL FIXED INDUCTOR (4.7UH)			
C260-263			CK73GB1H104K	CHIP C	0.10UF	K		X1			L78-0821-05	RESONATOR (20MHz)			
C264,265			C94-0040-05	ELECTRO	22UF	16WV		X2			L77-2738-05	CRYSTAL RESONATOR (32.768kHz)			
C266,267			C94-0039-05	ELECTRO	10UF	16WV		X3			L77-2002-05	CRYSTAL RESONATOR (4.332MHz)			
C268,269			C94-0040-05	ELECTRO	22UF	16WV		U	2D		N83-3005-46	PAN HEAD TAPPIE SCREW			
C270,271			C94-0039-05	ELECTRO	10UF	16WV		X	2D		N80-3008-46	PAN HEAD TAPPIE SCREW			
C272-275			C94-0179-05	ELECTRO	0.22UF	50WV		Y	2D		N83-3010-46	PAN HEAD TAPPIE SCREW			
C276			CK73FB1C105K	CHIP C	1.0UF	K		Z	2D		N84-2004-46	PAN HEAD TAPPIE SCREW			
C277			C94-0041-05	ELECTRO	33UF	16WV		R1			RK73FB2B223J	CHIP R	22K	J	1/8W
C278			C90-5663-05	ELECTRO	1UF	50WV		R2			RK73GB2A101J	CHIP R	100	J	1/10W
C279			C94-0051-05	ELECTRO	1UF	50WV		R3			RK73GB2A223J	CHIP R	22K	J	1/10W
C280-285			CK73GB1H222K	CHIP C	2200PF	K		R4			RK73GB2A222J	CHIP R	2.2K	J	1/10W
C286			CK73GB1H103K	CHIP C	0.010UF	K		R5			RK73FB2B221J	CHIP R	220	J	1/8W
C287-289			CK73FB1H104K	CHIP C	0.10UF	K		R6			RK73GB2A153J	CHIP R	15K	J	1/10W
C290,291			CK73GB1H103K	CHIP C	0.010UF	K		R7			R92-3032-05	CHIP R	4.3K	D	1/10W
C292-296			CK73EB1A475K	CHIP C	4.7UF	K		R8			R92-3047-05	CHIP R	24K	D	1/10W
C297,298			C92-0672-05	ELECTRO	22UF	16WV		R9			RK73FB2B152J	CHIP R	1.5K	J	1/8W
C299,300			C94-0039-05	ELECTRO	10UF	16WV		R10			R92-3022-05	METAL R	750	D	1/10W
C303-305			CK73GB1H103K	CHIP C	0.010UF	K		R11			R92-3028-05	CHIP R	2.2K	D	1/10W
C307			CK73GB1H103K	CHIP C	0.010UF	K		R12			RK73GB2A103J	CHIP R	10K	J	1/10W
C309,310			CC73GCH1H100D	CHIP C	10PF	D		R13			R92-2104-05	CHIP R	2.2	J	1W
C311			CC73GCH1H331J	CHIP C	330PF	J		R14			RK73FB2B751J	CHIP R	750	J	1/8W
C312			CK73FB1A225K	CHIP C	2.2UF	K		R15			RK73GB2A473J	CHIP R	47K	J	1/10W
C313			CK73GB1H103K	CHIP C	0.010UF	K		R16			RK73FB2B103J	CHIP R	10K	J	1/8W
C314			C94-0039-05	ELECTRO	10UF	16WV		R17			RK73GB2A102J	CHIP R	1.0K	J	1/10W
C316-319			CK73GB1A224K	CHIP C	0.22UF	K		R18			RK73GB2A750J	CHIP R	75	J	1/10W
C502-504			CK73GB1H103K	CHIP C	0.010UF	K		R19			RK73GB2A272J	CHIP R	2.7K	J	1/10W
C601,602			CK73GB1C104K	CHIP C	0.10UF	K		R20			RK73GB2A470J	CHIP R	47	J	1/10W
C603			CK73GB1H104K	CHIP C	0.10UF	K		R21			RK73GB2A752J	CHIP R	7.5K	J	1/10W
			CK73GB1H103K	CHIP C	0.010UF	K		R22			RK73GB2A274J	CHIP R	270K	J	1/10W
C701			CK73GB1A474K	CHIP C	0.47UF	K		R23			RK73GB2A563J	CHIP R	56K	J	1/10W
CN1			E41-0224-05	PIN ASSY (12PIN)				R24			RK73GB2A470J	CHIP R	47	J	1/10W
CN2			E40-3237-05	PIN ASSY (2PIN)				R25			RK73GB2A103J	CHIP R	10K	J	1/10W
CN3			E41-0384-05	PIN ASSY (16PIN)				R26,27			RK73GB2A913J	CHIP R	91K	J	1/10W
CN4			E40-9527-05	FLAT CABLE CONNECTOR (24PIN)				R28			RK73FB2B472J	CHIP R	4.7K	J	1/8W
CN4			E41-0213-05	FLAT CABLE CONNECTOR (24PIN)				R29			RD14DB2H102J	SMALL-RD	1.0K	J	1/2W
CN5			E40-9368-05	FLAT CABLE CONNECTOR (28PIN)				R30			RK73GB2A223J	CHIP R	22K	J	1/10W
CN6			E41-0399-05	FLAT CABLE CONNECTOR (15PIN)				R31			RK73FB2B472J	CHIP R	4.7K	J	1/8W
CN7			E41-0009-05	PIN ASSY (2PIN)				R32			RK73FB2B561J	CHIP R	560	J	1/8W
J1			E58-0863-15	RECTANGULAR RECEPTACLE (16PIN)				R33			RK73GB2A473J	CHIP R	47K	J	1/10W
P1			E23-0745-05	TERMINAL				R34			RK73GB2A223J	CHIP R	22K	J	1/10W
W2			E30-6218-05	CORD WITH PLUG (ANT)				R35			RK73GB2A104J	CHIP R	100K	J	1/10W
L1			L33-1170-05	CHOKE COIL ASSY				R36			RK73FB2B103J	CHIP R	10K	J	1/8W
								R37			RK73GB2A103J	CHIP R	10K	J	1/10W

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ELECTRIC UNIT (X34-3030-11)

Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation
R38			RK73GB2A822J	CHIP R	8.2K	J	1/10W	R186			RK73GB2A102J	CHIP R	1.0K	J	1/10W
R41			RK73GB2A223J	CHIP R	22K	J	1/10W	R201			RK73GB2A103J	CHIP R	10K	J	1/10W
R42			RD14DB2H332J	SMALL-RD	3.3K	J	1/2W	R202-204			RK73GB2A472J	CHIP R	4.7K	J	1/10W
R43			RK73EB2E473J	CHIP R	47K	J	1/4W	R205			RK73GB2A134J	CHIP R	130K	J	1/10W
R44			RK73GB2A183J	CHIP R	18K	J	1/10W	R206			RK73GB2A823J	CHIP R	82K	J	1/10W
R45			RK73GB2A104J	CHIP R	100K	J	1/10W	R207			RK73GB2A473J	CHIP R	47K	J	1/10W
R46,47			RK73EB2E103J	CHIP R	10K	J	1/4W	R208			RK73GB2A912J	CHIP R	9.1K	J	1/10W
R48			RK73EB2E102J	CHIP R	1.0K	J	1/4W	R209			RK73GB2A363J	CHIP R	36K	J	1/10W
R49			RD14DB2H102J	SMALL-RD	1.0K	J	1/2W	R210			RK73GB2A622J	CHIP R	6.2K	J	1/10W
R101			RK73GB2A103J	CHIP R	10K	J	1/10W	R217			RK73GB2A682J	CHIP R	6.8K	J	1/10W
R102			RK73GB2A153J	CHIP R	15K	J	1/10W	R218			RK73GB2A332J	CHIP R	3.3K	J	1/10W
R103			RK73GB2A104J	CHIP R	100K	J	1/10W	R219			RK73GB2A392J	CHIP R	3.9K	J	1/10W
R106,107			RK73GB2A103J	CHIP R	10K	J	1/10W	R220,221			RK73FB2B361J	CHIP R	360	J	1/8W
R110			RK73GB2A104J	CHIP R	100K	J	1/10W	R222,223			RK73FB2B222J	CHIP R	2.2K	J	1/8W
R111,112			RK73GB2A103J	CHIP R	10K	J	1/10W	R224,225			RK73FB2B103J	CHIP R	10K	J	1/8W
R115,116			RK73GB2A102J	CHIP R	1.0K	J	1/10W	R226,227			RK73FB2B223J	CHIP R	22K	J	1/8W
R117			RK73GB2A103J	CHIP R	10K	J	1/10W	R228,229			RK73FB2B820J	CHIP R	82	J	1/8W
R118-120			RK73GB2A102J	CHIP R	1.0K	J	1/10W	R232,233			RK73FB2B361J	CHIP R	360	J	1/8W
R121			RK73GB2A222J	CHIP R	2.2K	J	1/10W	R234,235			RK73FB2B222J	CHIP R	2.2K	J	1/8W
R122-126			RK73GB2A101J	CHIP R	100	J	1/10W	R236,237			RK73FB2B103J	CHIP R	10K	J	1/8W
R127			RK73GB2A102J	CHIP R	1.0K	J	1/10W	R238,239			RK73FB2B223J	CHIP R	22K	J	1/8W
R128			RK73GB2A104J	CHIP R	100K	J	1/10W	R240,241			RK73FB2B820J	CHIP R	82	J	1/8W
R129			RK73GB2A102J	CHIP R	1.0K	J	1/10W	R244,245			RK73FB2B361J	CHIP R	360	J	1/8W
R130			RK73GB2A104J	CHIP R	100K	J	1/10W	R246,247			RK73FB2B222J	CHIP R	2.2K	J	1/8W
R131			RK73GB2A102J	CHIP R	1.0K	J	1/10W	R248,249			RK73FB2B103J	CHIP R	10K	J	1/8W
R132			RK73GB2A104J	CHIP R	100K	J	1/10W	R250,251			RK73FB2B223J	CHIP R	22K	J	1/8W
R133-136			RK73GB2A222J	CHIP R	2.2K	J	1/10W	R252,253			RK73FB2B820J	CHIP R	82	J	1/8W
R137			RK73GB2A102J	CHIP R	1.0K	J	1/10W	R256			RK73GB2A221J	CHIP R	220	J	1/10W
R138-140			RK73GB2A222J	CHIP R	2.2K	J	1/10W	R257			RK73GB2A223J	CHIP R	22K	J	1/10W
R141			RK73GB2A102J	CHIP R	1.0K	J	1/10W	R259			RK73GB2A432J	CHIP R	4.3K	J	1/10W
R142,143			RK73GB2A222J	CHIP R	2.2K	J	1/10W	R260			RK73GB2A100J	CHIP R	10	J	1/10W
R144			RK73GB2A102J	CHIP R	1.0K	J	1/10W	R261			RK73GB2A752J	CHIP R	7.5K	J	1/10W
R145,146			RK73GB2A473J	CHIP R	47K	J	1/10W	R262			RK73EB2E4R7J	CHIP R	4.7	J	1/4W
R150,151			RK73GB2A104J	CHIP R	100K	J	1/10W	R263,264			RK73EB2E100J	CHIP R	10	J	1/4W
R152,153			RK73GB2A222J	CHIP R	2.2K	J	1/10W	R265,266			RK73GB2A102J	CHIP R	1.0K	J	1/10W
R156			RK73GB2A104J	CHIP R	100K	J	1/10W	R267			RK73EB2E100J	CHIP R	10	J	1/4W
R158			RK73GB2A104J	CHIP R	100K	J	1/10W	R268			RK73EB2E4R7J	CHIP R	4.7	J	1/4W
R159,160			RK73GB2A471J	CHIP R	470	J	1/10W	R269			RK73EB2E100J	CHIP R	10	J	1/4W
R161			RK73GB2A104J	CHIP R	100K	J	1/10W	R270			RK73GB2A473J	CHIP R	47K	J	1/10W
R162			RK73GB2A103J	CHIP R	10K	J	1/10W	R271			RK73GB2A821J	CHIP R	820	J	1/10W
R163,164			RK73GB2A471J	CHIP R	470	J	1/10W	R272,273			RK73GB2A103J	CHIP R	10K	J	1/10W
R165,166			RK73GB2A472J	CHIP R	4.7K	J	1/10W	R274			RK73GB2A104J	CHIP R	100K	J	1/10W
R167			RK73GB2A102J	CHIP R	1.0K	J	1/10W	R275			RK73GB2A473J	CHIP R	47K	J	1/10W
R169			RK73GB2A102J	CHIP R	1.0K	J	1/10W	R276			RK73GB2A102J	CHIP R	1.0K	J	1/10W
R170			RK73GB2A222J	CHIP R	2.2K	J	1/10W	R277			RK73GB2A473J	CHIP R	47K	J	1/10W
R171,172			RK73GB2A471J	CHIP R	470	J	1/10W	R278			RK73GB2A333J	CHIP R	33K	J	1/10W
R173,174			RK73GB2A472J	CHIP R	4.7K	J	1/10W	R279,280			RK73GB2A334J	CHIP R	330K	J	1/10W
R175			RK73GB2A333J	CHIP R	33K	J	1/10W	R303			RK73FB2B102J	CHIP R	1.0K	J	1/8W
R176			RK73GB2A473J	CHIP R	47K	J	1/10W	R304			RK73GB2A223J	CHIP R	22K	J	1/10W
R177			RK73GB2A222J	CHIP R	2.2K	J	1/10W	R305			RK73GB2A472J	CHIP R	4.7K	J	1/10W
R178,179			RK73GB2A103J	CHIP R	10K	J	1/10W	R306-308			RK73GB2A222J	CHIP R	2.2K	J	1/10W
R180			RK73GB2A222J	CHIP R	2.2K	J	1/10W	R501,502			RK73EB2E101J	CHIP R	100	J	1/4W
R181			RK73GB2A473J	CHIP R	47K	J	1/10W	R503-507			RK73EB2E472J	CHIP R	4.7K	J	1/4W
R182			RK73GB2A104J	CHIP R	100K	J	1/10W	R508			RK73EB2E101J	CHIP R	100	J	1/4W
R183,184			RK73GB2A222J	CHIP R	2.2K	J	1/10W	R509-511			RK73EB2E471J	CHIP R	470	J	1/4W

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PARTS LIST

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ELECTRIC UNIT (X34-3030-11)

Ref. No.	A d d	N e w	Parts No.	Description			Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R512			RK73EB2E102J	CHIP R	1.0K	J	1/4W	D217			DA204K	DIODE	
R513			RK73GB2A223J	CHIP R	22K	J	1/10W	D301			IMSA-6801	SURGE ABSORBER	
R514			RK73GB2A392J	CHIP R	3.9K	J	1/10W	D503-505			MA3062WA	ZENER DIODE	
R515,516			RK73GB2A472J	CHIP R	4.7K	J	1/10W	D506-509			DA204K	DIODE	
R517,518			RK73EB2E101J	CHIP R	100	J	1/4W	D601			DA204K	DIODE	
R519			RK73EB2E471J	CHIP R	470	J	1/4W	IC1	*		UPD703030GC041	MICROCONTROLLER IC	
R520			RK73EB2E472J	CHIP R	4.7K	J	1/4W	IC2			TDA7411	ANALOGUE IC	
R522-524			RK73GB2A222J	CHIP R	2.2K	J	1/10W	IC3			M5237ML	ANALOGUE IC	
R525			RK73GB2A102J	CHIP R	1.0K	J	1/10W	IC4			TDA7560	ANALOGUE IC	
R526,527			RK73GB2A473J	CHIP R	47K	J	1/10W	IC5			TDA7401	ANALOGUE IC	
R601,602			RK73GB2A104J	CHIP R	100K	J	1/10W	IC6			NJM2195FJ1	ANALOGUE IC	
R603			RK73GB2A222J	CHIP R	2.2K	J	1/10W	IC7			ICL7660SIBA	ANALOGUE IC	
R604,605			RK73GB2A103J	CHIP R	10K	J	1/10W	IC8			S-80837CNNB	MOS-IC	
R606			RK73GB2A222J	CHIP R	2.2K	J	1/10W	IC9			TC74HC02AF	MOS-IC	
R607			RK73GB2A911J	CHIP R	910	J	1/10W	IC10-13			NJM4565M-TE2	ANALOGUE IC	
R608,609			RK73GB2A104J	CHIP R	100K	J	1/10W	IC14			TDA479D	ANALOGUE IC	
R610			RK73GB2A222J	CHIP R	2.2K	J	1/10W	IC15,16			LB1930M	ANALOGUE IC	
R611,612			RK73GB2A103J	CHIP R	10K	J	1/10W	IC18			L9820D013TR	ANALOGUE IC	
R613			RK73GB2A222J	CHIP R	2.2K	J	1/10W	IC19			LM2672M-ADJ	ANALOGUE IC	
R614			RK73GB2A911J	CHIP R	910	J	1/10W	IC20			TC7W66FK	MOS-IC	
R615-618			RK73GB2A102J	CHIP R	1.0K	J	1/10W	Q1			2SA2057	TRANSISTOR	
R620			RK73EB2E102J	CHIP R	1.0K	J	1/4W	Q2			2SC4081	TRANSISTOR	
R621			RK73GB2A472J	CHIP R	4.7K	J	1/10W	Q3			2SA1576A	TRANSISTOR	
R623,624			RK73GB2A332J	CHIP R	3.3K	J	1/10W	Q4			DTA124EUA	DIGITAL TRANSISTOR	
R625,626			RK73GB2A102J	CHIP R	1.0K	J	1/10W	Q4			UN5112	DIGITAL TRANSISTOR	
R701			RK73GB2A104J	CHIP R	100K	J	1/10W	Q5			DTC124EUA	DIGITAL TRANSISTOR	
D1			1N5393G-M5	DIODE				Q5			UN5212	DIGITAL TRANSISTOR	
D2			RB160L-40	DIODE				Q6			DTC144EUA	DIGITAL TRANSISTOR	
D3			MA8056-M	ZENER DIODE				Q6			UN5213	DIGITAL TRANSISTOR	
D4			MA8082-L	ZENER DIODE				Q7			DTA124EUA	DIGITAL TRANSISTOR	
D5			SFPB-54V	DIODE				Q7			UN5112	DIGITAL TRANSISTOR	
D6			MA8100-L	ZENER DIODE				Q8,9			2SA2057	TRANSISTOR	
D7			MA4062(N)-L	ZENER DIODE				Q11			DTC124EUA	DIGITAL TRANSISTOR	
D8			MA8110-M	ZENER DIODE				Q11			UN5212	DIGITAL TRANSISTOR	
D9			MA8056-M	ZENER DIODE				Q12			DTA124EUA	DIGITAL TRANSISTOR	
D16			MA3056-M	ZENER DIODE				Q12			UN5112	DIGITAL TRANSISTOR	
D17			MA3047-M	ZENER DIODE				Q13			2SA2057	TRANSISTOR	
D18			MA8068-M	ZENER DIODE				Q14			2SC4081	TRANSISTOR	
D19			MA8062-M	ZENER DIODE				Q15			2SB1443	TRANSISTOR	
D20,21			DAP202U	DIODE				Q16,17			2SC4081	TRANSISTOR	
D20,21	*		LM1MA142WA-G	DIODE				Q18,19			2SA1576A	TRANSISTOR	
D20,21			MA142WA	DIODE				Q20			2SC4081	TRANSISTOR	
D101			DAP202U	DIODE				Q21			2SA1576A	TRANSISTOR	
D101	*		LM1MA142WA-G	DIODE				Q22			2SC4081	TRANSISTOR	
D101			MA142WA	DIODE				Q23			DTC114YUA	DIGITAL TRANSISTOR	
D201,202			RD6.8M(B2)	ZENER DIODE				Q23			UN5214	DIGITAL TRANSISTOR	
D203			RD6.8MW	ZENER DIODE				Q24			2SB1240	TRANSISTOR	
D204,205			RD6.8M(B2)	ZENER DIODE				Q25			DTA123JK	DIGITAL TRANSISTOR	
D206			RD6.8MW	ZENER DIODE				Q25			KRA105S	DIGITAL TRANSISTOR	
D207,208			DAP202U	DIODE				Q26			DTA144EUA	DIGITAL TRANSISTOR	
D207,208	*		LM1MA142WA-G	DIODE				Q26			UN5213	DIGITAL TRANSISTOR	
D207,208			MA142WA	DIODE				Q27			2SC4081	TRANSISTOR	
D209-216			S1J	DIODE				Q29			2SC4081	TRANSISTOR	
D209-216			1SR154-400	DIODE				Q30,31			DTA124EUA	DIGITAL TRANSISTOR	
D209-216								Q30,31			UN5112	DIGITAL TRANSISTOR	

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PARTS LIST

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ELECTRIC UNIT (X34-3030-11)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
Q201			DTC143TUA	DIGITAL TRANSISTOR	
Q201			UN5216	DIGITAL TRANSISTOR	
Q202			DTC124EUA	DIGITAL TRANSISTOR	
Q202			UN5212	DIGITAL TRANSISTOR	
Q203-208			DTC143TUA	DIGITAL TRANSISTOR	
Q203-208			UN5216	DIGITAL TRANSISTOR	
Q210			2SC4081	TRANSISTOR	
Q303			DTC124EUA	DIGITAL TRANSISTOR	
Q303			UN5212	DIGITAL TRANSISTOR	
Q304			2SB1188(Q,R)	TRANSISTOR	
Q305			DTC143TUA	DIGITAL TRANSISTOR	
Q305			UN5216	DIGITAL TRANSISTOR	
Q501			DTA124EUA	DIGITAL TRANSISTOR	
Q501			UN5112	DIGITAL TRANSISTOR	
Q502			2SB1427	TRANSISTOR	
Q503			DTC124EUA	DIGITAL TRANSISTOR	
Q503			UN5212	DIGITAL TRANSISTOR	
Q601			DTC124EUA	DIGITAL TRANSISTOR	
Q601			UN5212	DIGITAL TRANSISTOR	
Q602			2SC4081	TRANSISTOR	
Q603			DTC124EUA	DIGITAL TRANSISTOR	
Q603			UN5212	DIGITAL TRANSISTOR	
TH1			PTH9C42BD471Q	POSITIVE RESISTOR	
A2			W02-3430-05	ELECTRIC CIRCUIT MODULE	
A1			X86-3730-11	FRONT-END UNIT	

CD MECHANISM ASSY (X92-4880-00)

2	1B	*	A10-4884-02	CHASSIS	
5	1B	*	D10-4610-03	ARM ASSY	
8	2A	*	D10-4608-03	LEVER ASSY	
10	3A	*	D10-4602-03	ARM	
11	2A	*	D10-4603-03	ARM	
12	3A	*	D10-4604-03	ARM	
13	3A	*	D10-4605-03	ARM	
14	3B	*	D10-4613-03	ARM	
15	2A	*	D10-4615-03	SLIDER	
16	3B	*	D10-4617-02	SLIDER	
17	3B	*	D10-4618-03	SLIDER	
18	3B	*	D10-4614-04	ARM	
19	3B	*	D10-4606-04	ARM	
22	2A	*	D13-2174-04	GEAR	
23	2B	*	D13-2180-04	GEAR	
24	3B	*	D13-2181-04	GEAR	
25	3B	*	D13-2182-04	GEAR	
26	3B	*	D13-2175-04	WORM	
27	3B	*	D13-2176-04	GEAR	
28	3B	*	D13-2177-04	GEAR	
29	3B	*	D13-2178-04	GEAR	
30	3B	*	D13-2183-04	GEAR	
31	3B	*	D13-2184-04	GEAR	
32	2B	*	D13-2173-03	RACK(GEAR)	
33	2A	*	D14-0763-04	ROLLER	
35	2B	*	D21-2389-04	SHAFT	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
36	1A	*	D23-0955-04	RETAINER	
37	1B	*	D39-0246-05	DAMPER	
38	2B	*	G01-3095-04	EXTENSION SPRING	
39	2A	*	G01-3093-04	TORSION COIL SPRING	
40	2A	*	G01-3094-04	EXTENSION SPRING	
41	1B	*	G01-3091-04	EXTENSION SPRING	
42	2A	*	G01-3092-04	EXTENSION SPRING	
43	1B	*	G01-3090-04	EXTENSION SPRING	
44	2B	*	G02-1413-04	FLAT SPRING	
45	2B	*	G02-1414-04	FLAT SPRING	
51	1A	*	J21-9753-02	MOUNTING HARDWARE	
52	3B	*	J21-9755-02	MOUNTING HARDWARE	
53	1B	*	J21-9752-03	MOUNTING HARDWARE	
55	1A	*	J90-1014-01	GUIDE	
56	1B	*	J90-1024-03	GUIDE	
DFPC1	3A		J84-0141-05	FLEXIBLE PRINTED WIRING BOARD	
A	2B	*	N09-6192-05	TAPPING SCREW (P2X8COUNTERS)	
B	1B	*	N09-6191-05	STEPPED SCREW (M1.7TOTAL8BON)	
C	2B		N09-6004-05	MACHINE SCREW (M1.7X2.5 IB-L)	
E	2B	*	N09-6193-05	MACHINE SCREW (M2X2PAN-HEAD#)	
F	1A	*	N09-6194-05	TAPPING SCREW (P2X5BINDING-H)	
G	2A		N19-2163-04	FLAT WASHER	
H	1B		N39-2020-46	PAN HEAD MACHIN SCREW	
J	1B	*	N09-6196-05	TAPTITE SCREW (S2X3.5PRECISI)	
DM1	3B		T42-1066-04	DC MOTOR ASSY (SPINDLE)	
DM2	3B		T42-1067-04	DC MOTOR ASSY (LOADING)	
DPU1	2B		X93-2010-00	OPTICAL PICKUP ASSY	

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KDC-X879

SPECIFICATIONS

FM

Frequency Range (Frequency step)	87.9MHz~107.9MHz (200kHz)
Channel Space Selection	.....	50k/200kHz
Usable Sensitivity (S/N 30dB)	.....	9.3dBf (0.8μV/75Ω)
Quieting Sensitivity (S/N 50dB)	.....	15.2dBf (1.6μV/75Ω)
Frequency Response (±3.0dB)	.....	30Hz~15kHz
S/N	.....	70dB (MONO)
Selectivity (DIN)	.....	≥80dB (±400kHz)
Stereo Separation	.....	40dB (1kHz)

AM

Frequency Range (Frequency step)	.....	530kHz~1700kHz (10kHz)
Channel Space Selection	.....	9k/10kHz
Usable Sensitivity (S/N 20dB)	.....	28dBμ (25μV)

CD

Laser Diode	.....	GaAlAs
Digital Filter (D/A)	.....	8 Times OverSampling
D/A Converter	.....	1 Bit
Spindle Speed (CD-DA/MP3)	.....	1000~400rpm (CLV 2 times)
Wow & Flutter	.....	Below Mesurable Limit
Frequency Response	.....	10Hz~20kHz (±1dB)
Total Harmonic Distortion	.....	0.008% (1kHz)
S/N Ratio	.....	110dB (1kHz)
Dynamic Range	.....	93dB
Channel Separation	.....	95dB
MP3 Decode	.....	Compliant with MPEG-1/2 Audio Layer-3
WMA Decode	.....	Compliant with Windows Media Audio

Preout Level/Load-Unbalanced

.....	5000mV/10kΩ (CD/CD-CH)
Preout Impedance	..... 80Ω

AUX Input

Frequency Response	..... 20Hz~20kHz (±1dB)
Input Maximum Voltage	..... 1200mV
Input Impedance	..... 100kΩ

AMP

Maximum Power	..... 50W x 4
Full Bandwidth Power (at less than 1% THD)	..... 22W x 4

TONE

Bass	..... 60Hz~150Hz±8dB
Middle	..... 500Hz~2kHz±8dB
Treble	..... 10kHz~17.5kHz±8dB

GENERAL

Operating voltage (11~16V allowable)	..... 14.4V
Current Consumption	..... 10A
Installation Size (W x H x D)	..... 182 x 53 x 162 mm 7-3/16 x 2-1/16 x 6-3/8 in
Weight	..... 1.9kg (4.19lbs)

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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